

AD A 074659

USAFETAC/DS-79/033

DATA PROCESSING BRANCH
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

SHAW AFB SC/SUMTER.. WBAN# 13849
N 33 58 W 080 28 FLD ELEV 251 FT SSC WMO # 74790

PARTS A-F

POR FROM HOURLY OBS: DEC 65 - DEC 70, JAN 74 - NOV 78
POR FROM DAILY OBS: DEC 46 - NOV 78

MAR 07 1979

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FOR THE COMMANDER


WALTER S. BURGMANN
Scientific & Technical
Information Officer

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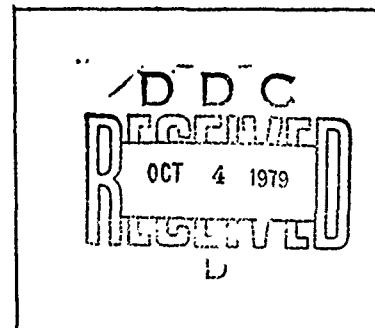
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18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
*RUSSWO	Daily temperature	Atmospheric pressure
Snowfall	Extreme snow depth	Extreme surface winds
Climatology	Sea-level pressure	Psychrometric summary
Surface Winds	Extreme temperature	Ceiling versus visibility
Relative humidity	*Climatological data	(over)
20. ABSTRACT (Continue on reverse side if necessary and identify by block number)		
<p>This report is a six-part statistical summary of surface weather observations for Shaw AFB, Sumter, South Carolina</p> <p>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)</p>		

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19. Percentqge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* South Carolina

* Shaw AFB, SC

20. and dew-point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurrence tables.

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U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
13849	SHAW AFB SOUTH CAROLINA/SUMTER	N 33 58	W 080 28	251	SSC	74790

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT BARO.	
1	Sumter Fld, South Carolina	AAF	Dec 46	May 48	N 33 58	W 080 29	248	250	24
2	Shaw AFB, South Carolina	AFB	Jun 48	Feb 55	Same	Same	236	Same	24
3	Same	Same	Mar 55	Mar 55	Same	Same	242	Same	24
4	Same	Same	Apr 55	Feb 57	Same	Same	253	Same	24
5	Same	Same	Mar 57	Jul 60	Same	Same	252	Same	24
6	Same	Same	Aug 60	Feb 63	Same	Same	Same	291	24
7	Same	Same	Mar 63	Dec 70	Same	Same	Same	242	24
8	Same	Same	Jun 72	Apr 73	Same	Same	Same	Same	18
9	Same	Same	May 73	Jan 74	Same	W 080 28	251	241	18
10	Same	Same	Feb 74	Nov 78	Same	Same	Same	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Dec 46	Not available.	Selsyn	ML-144	N/A	
2	Jun 48	Located on top of Weather Station	Same	Same	49 ft	
3	Apr 55	Same	Same	Same	50 ft	
4	Apr 59	Located 500 ft of center of instrument runway 22/04, 3000 ft from touch down point or runway 04.	AN/GM2-11	RO-2	14 ft	
5	Mar 60	Located in middle of runway complex.	Same	Same	15 ft	
6	Mar 64	Located 900 ft from centerline, 2700 ft from end of runway 04.	Same	Same	13 ft	
7	Mar 66	Located 800 ft SE of runway 04 centerline, 2600 ft NE of approach end of runway 04.	Same	Same	Same	

USAFETAC FORM NOV 75 0 12 (01 A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
8	Oct 70	1. Located 500 ft SE of centerline, 582 ft from end of rwy 04. 2. Located 500 ft SE of centerline, 859 ft from end of rwy 22.	AN/GMQ-20	RO-362	13 ft	
9	Nov 78	1. Same 2. Same	Same Same	Same	Same Same	

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as snow pellets)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13843
STATION

SHAW AFB SOUTH CAROLINA/SUMMER
STATION NAME

6-7, 74-78
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		11.1	1.0	1.3		13.1	18.1	3.3			20.5	927
	03-05		10.5	1.2	.2		11.7	21.3	2.3			22.9	927
	06-08		12.1	1.2	.9		14.0	26.8	4.4			28.8	929
	09-11		12.5	.9	.8		13.9	24.6	9.5			30.3	930
	12-14		12.9	1.1	.5		14.3	16.6	5.4			20.3	930
	15-17	.1	10.3	1.3	1.5		12.5	14.1	5.2			18.2	930
	18-20		12.2	1.3	1.2		14.2	12.9	3.3			15.8	930
	21-23		10.1	1.2	1.2		11.9	14.1	2.7			16.2	930
TOTALS		.0	11.5	1.2	1.0		13.2	18.6	4.5			21.6	7433

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

WEATHER CONDITIONS

13842 STATION SHAW AFB SOUTH CAROLINA/SUMTER 6-7, 74-78 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		8.5	.4	1.3		9.9	11.2	2.7		.8	14.3	846
	03-05	.1	7.8		.8		8.5	13.8	2.4		.7	16.0	846
	06-08	.6	4.3		.8		9.1	19.0	8.4		.6	23.4	846
	09-11	.1	8.2	.1	1.1		8.9	14.1	9.3		.5	20.8	846
	12-14		7.7		1.8		9.1	7.3	3.2		.5	10.2	846
	15-17	.2	8.5	.4	.1	.1	8.9	7.8	2.8		.7	11.1	846
	18-20	.1	10.5	.5	.7		11.2	9.0	3.2		.7	12.5	846
	21-23	.2	7.3	.4	.7		8.3	8.3	3.5		.9	11.8	846
TOTALS		.2	8.4	.2	.9	.0	9.2	11.4	4.4		.7	15.0	6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

6-70, 74-78
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02	.3	7.1				7.1	10.8	2.3			12.2	930
	03-05	.2	7.4				7.4	14.9	2.8			17.2	930
	06-08	.3	7.4				7.4	25.1	10.8			30.9	930
	09-11	.6	6.4				8.4	12.6	9.2			20.4	930
	12-14	.5	7.0		.1		7.1	7.3	3.2		.1	9.6	930
	15-17	1.0	7.4				7.4	5.6	3.8		.4	9.4	930
	18-20	.6	8.5				8.5	7.1	2.7		.1	9.4	930
	21-23	.3	6.7				6.7	7.1	1.5			8.3	930
TOTALS		.5	7.5		.0		7.5	11.3	4.5		.1	14.7	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13842
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

6-70, 74-78
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	.8	5.1				5.1	7.1	1.9			8.0	900
	03-05	.6	6.4				6.4	13.1	1.7			14.1	900
	06-08	.6	5.3				5.3	24.7	12.9			30.8	900
	09-11	.6	4.8				4.8	5.7	6.7			11.2	900
	12-14	.2	5.3				5.3	3.8	3.2		.1	6.9	900
	15-17	.4	4.7				4.7	2.6	2.1		.7	4.8	900
	18-20	1.4	5.1				5.1	3.3	2.8		.2	5.9	900
	21-23	.9	4.8				4.8	3.8	1.3			5.0	900
TOTALS		.7	5.2				5.2	8.0	4.1		.1	10.8	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13849 SHAW AFB SOUTH CAROLINA/SUMTER 66-70, 74-78

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.6	7.2				7.2	14.0	5.2			16.7	930
	03-05	.4	7.3				7.3	26.7	9.4			30.9	930
	06-08	.2	6.9				6.9	40.8	24.9			51.2	930
	09-11	.2	5.5				5.5	8.4	14.2			20.2	930
	12-14	1.1	7.1				7.1	2.8	9.9		.1	12.3	930
	15-17	4.3	7.7			.1	7.7	2.8	9.0		.1	11.7	930
	18-20	4.0	10.0				10.0	4.7	8.1			12.6	930
	21-23	1.9	7.0				7.0	4.5	3.4			7.8	930
TOTALS		1.6	7.3			.0	7.3	13.1	10.5		.0	20.4	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

6-7, 74-78
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	1.2	4.3				4.3	11.3	10.6			17.8	900
	03-05	.4	3.9				3.9	31.0	17.8			38.6	900
	06-08	.6	4.3				4.3	39.4	35.8			55.8	900
	09-11	.1	3.3				3.3	5.6	19.4			21.7	900
	12-14	1.6	3.4				3.4	.8	12.3			12.8	900
	15-17	4.2	6.4				6.4	.8	10.9			11.1	900
	18-20	5.1	6.8				6.8	1.7	11.8		.1	13.0	900
	21-23	3.9	8.1				8.1	3.3	9.4			11.8	900
TOTALS		2.1	5.1				5.1	11.7	16.0		.0	22.8	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13849 STATION SHAW AFB SOUTH CAROLINA/SUMTER 66-70, 74-78 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	1.6	4.0				4.0	12.4	12.4			20.1	930
	03-05	.3	2.2				2.2	27.4	18.2			34.9	930
	06-08	.1	3.0				3.0	43.3	39.9			60.4	930
	09-11	.4	3.8				3.8	7.0	29.2			32.7	930
	12-14	2.4	4.5				4.5	1.4	21.1			21.7	930
	15-17	8.1	9.7				9.7	1.8	21.8			23.2	930
	18-20	7.6	10.4				10.4	4.2	22.8			25.6	929
	21-23	3.7	6.9				6.9	6.6	12.8			17.0	929
TOTALS		3.0	5.6				5.6	13.0	22.3			29.5	7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13849 STATION SHAW AFB SOUTH CAROLINA/SUMTER 1971-74-76 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	1.5	5.3				5.3	14.3	10.3			21.1	930
	03-05	.4	3.1				5.1	33.9	15.2			39.7	930
	06-08	.3	4.6				4.6	57.1	34.6			68.9	930
	09-11	.4	3.8				3.8	13.0	26.1			33.5	930
	12-14	2.7	5.8				5.8	3.1	15.2			17.2	930
	15-17	6.1	11.0				11.0	2.6	12.6			14.9	930
	18-20	5.5	10.4				10.4	5.1	13.7			17.8	930
	21-23	2.7	7.5				7.5	6.2	9.2			13.5	930
TOTALS		2.5	6.7				6.7	16.9	17.1			28.3	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.4	4.3				4.3	15.1	10.1			21.6	900
	03-05	.2	4.9				4.9	30.8	14.9			38.6	900
	06-08	.6	6.4				6.4	54.0	34.0			65.3	900
	09-11		6.0				6.0	11.9	27.6			34.6	900
	12-14	1.1	6.4				6.4	3.8	14.7			17.6	900
	15-17	2.7	7.0				7.0	2.7	12.6			14.4	900
	18-20	2.2	6.7				6.7	4.3	10.7			14.1	900
	21-23	.9	4.4				4.4	4.9	7.7			11.8	900
TOTALS		1.0	5.8				5.8	15.9	16.5			27.2	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13842 STATION SHAW AFB SOUTH CAROLINA/SUMTER 66-73, 74-78 YEARS JCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-02		3.7				3.7	8.8	3.3			10.3	930
	03-05	.1	4.4				4.4	18.7	7.3			21.9	930
	06-08	.2	6.0				6.0	34.0	21.4			41.1	929
	09-11		5.5				5.5	12.4	17.0			25.7	930
	12-14	.1	4.1				4.1	2.4	8.0			9.7	930
	15-17	.2	4.3				4.3	2.4	5.1			6.8	930
	18-20	.1	3.9				3.9	2.7	4.1			5.9	930
	21-23	.1	3.6				3.6	3.6	2.5			5.5	929
TOTALS		.1	4.4				4.4	10.7	8.6			15.9	7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13843 STATION S AM AFB SOUTH CAROLINA/SJETER 6-7, 74-78 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
00-02	.2	7.4		.3		7.4	12.7	3.1				14.9	900
03-05	.2	6.1		.1		6.1	15.7	3.0				17.8	900
06-08		5.8				5.8	27.2	12.6				32.3	900
09-11	.1	7.0				7.0	16.8	13.9				25.9	900
12-14		7.3				7.3	6.3	6.9				12.8	899
15-17	.1	6.3		.1		6.3	6.5	6.2				11.7	899
18-20	.6	5.9				5.9	5.9	3.1				8.2	898
21-23	.1	7.1		.2		7.3	8.3	2.1				9.6	896
TOTALS		.2	6.6		.1		6.6	12.4	6.4			16.7	7192

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13842 SHAW AFB SOUTH CAROLINA/SUMTER
STATION STATION NAME

5-7, 74-77
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLFET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		10.6				10.6	14.4	1.0			15.4	930
	03-05		10.9				10.9	15.2	3.1			16.7	930
	06-08	.1	11.2				11.2	20.5	5.5			23.3	930
	09-11		11.9				11.9	19.9	8.8			25.8	930
	12-14	.1	10.8		.1		10.8	11.3	2.6			13.0	930
	15-17	.2	11.9				11.9	11.1	3.3			13.2	930
	18-20	.3	10.8				10.8	11.9	2.0			13.0	928
	21-23		10.1				10.1	13.5	1.9			14.3	927
TOTALS		.1	11.0		.0		11.0	14.7	3.6			16.8	7435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

13949

Shaw AFB SOUTH CAROLINA/SUMTER

65-70, 74-78

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	11.5	1.2	1.0		13.2	18.6	4.5			21.6	7433
FEB		.2	8.4	.2	.9	.0	9.7	11.4	4.4		.7	15.0	6768
MAR		.5	7.5		.0		7.5	11.3	4.5		.1	14.7	7440
APR		.7	5.2				5.2	8.0	4.1		.1	10.8	7200
MAY		1.4	7.3			.0	7.3	13.1	10.5		.0	20.4	7440
JUN		2.1	5.1				5.1	11.7	16.0		.0	22.8	7200
JUL		3.0	5.6				5.6	13.0	22.3			29.5	7438
AUG		2.5	6.7				6.7	16.9	17.1			28.3	7440
SEP		1.0	5.8				5.8	15.9	16.5			27.2	7200
OCT		.1	4.4				4.4	10.7	8.6			15.9	7438
NOV		.2	6.6		.1		6.6	12.4	6.4			16.7	7192
DEC		.1	11.0		.0		11.0	14.7	3.6			16.8	7435
TOTALS		1.0	7.1	.1	.2	.0	7.3	13.1	9.9		.1	20.0	87624

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $\frac{5}{8}$ mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XX **WEATHER CONDITIONS** XX
XXXXXXXXXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

6-78
YEARS

ALL
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	1.4	41.7	2.9	4.7		42.6	44.7	33.6			55.5	991
FEB		3.7	40.3	1.1	3.9	.4	40.9	41.3	36.4	.1		54.8	904
MAR		7.6	43.8	.6	1.3	.4	43.5	44.0	32.6		.4	53.9	992
APR		11.1	36.9			.4	36.1	40.6	25.3			47.3	960
MAY		20.8	41.5			.4	40.9	47.8	34.8		.1	55.2	992
JUN		27.9	45.2			.3	44.2	52.9	40.6		.3	61.7	960
JUL		36.9	51.9			.4	50.9	53.3	39.0			62.5	992
AUG		28.9	44.8			.5	44.5	65.2	40.6			74.8	989
SEP		12.5	37.9				37.3	63.5	45.2			72.3	960
OCT		3.5	28.6		.1		28.1	48.6	39.6			58.3	992
NOV		2.8	32.0		.3		32.6	44.0	34.4			52.4	960
DEC		1.6	38.4	.9	2.3		37.6	42.8	31.5			53.8	992
TOTALS		13.2	40.2	.5	1.0	.2	39.9	49.1	36.9	.0	.1	58.6	11684

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	"00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 47	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/IAF

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

13842 STAN AFB SOUTH CAROLINA/SUTTER

6-7

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	56.0	13.0	2.2	5.5	3.9	6.1	5.2	5.1	2.7	.1				31.0	991	3.43	7.37	.72
FEB	57.2	10.3	1.8	6.4	3.2	6.3	6.1	5.1	3.5	.7				32.5	904	3.61	6.52	.32
MAR	55.2	10.6	2.2	4.6	3.7	8.1	6.7	5.1	3.3	.3	.1			34.2	992	4.43	12.73	1.25
APR	61.7	12.0	1.7	5.2	2.4	4.8	4.2	5.5	2.4	.2				26.4	960	3.26	10.08	.39
MAY	57.5	12.9	1.7	5.7	3.2	5.9	4.7	5.4	2.4	.4				29.6	992	3.64	9.63	.40
JUN	54.0	13.5	1.4	4.6	4.0	5.8	5.8	6.1	3.6	.8	.3			32.5	960	5.49	17.83	1.50
JUL	46.0	14.9	1.8	7.3	3.2	7.8	7.1	7.3	4.2	.4				39.1	991	5.37	13.35	.69
AUG	53.0	13.5	1.6	5.3	3.0	7.0	6.0	6.1	4.0	.5				33.5	989	4.67	14.50	1.17
SEP	61.1	13.0	2.7	5.2	2.7	4.4	4.3	3.1	2.8	.6				25.8	960	3.44	6.62	.33
OCT	70.8	10.5	2.1	2.8	2.8	3.5	2.1	3.0	1.8	.5				18.7	992	2.57	9.11	.03
NOV	65.1	12.1	1.7	4.0	2.7	4.4	5.0	2.1	3.0					22.8	960	2.61	7.84	.33
DEC	60.3	11.7	1.9	4.8	2.6	5.4	4.8	5.9	2.3	.1				28.0	992	3.29	6.46	.27
ANNUAL	58.2	12.3	1.9	5.1	2.1	5.8	5.2	5.0	3.0	.3	.0			29.5	11683	45.81	×	×

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES PRECIPITATION

(FROM DAILY OBSERVATIONS)

13849 SHAW AFB SOUTH CAROLINA/SUMTER 46-78
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL	AUG	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46												.87	
47	1.15	.20	1.31	2.73	.74	1.75	.84	2.23	2.31	1.56	2.31	1.35	2.73
48	1.05	1.74	1.48	.85	.98	2.04	1.19	1.25	2.77	3.06	1.70	.62	3.06
49	.44	1.19	.38	1.10	2.57	.98	.45	2.85	1.19	.94	.67	.75	2.85
50	.70	.35	1.30	.90	1.06	.97	1.85	.65	1.51	.78	.33	1.38	1.85
51	.25	.48	1.71	.86	.34	.60	1.51	.79	1.60	.09	.80	.83	1.71
52	1.29	1.18	1.43	.81	1.71	1.60	1.85	3.29	.95	.31	.61	.83	3.29
53	1.39	1.26	1.37	2.02	1.70	.57	1.34	1.75	3.04	.09	.37	2.13	3.04
54	.70	.34	.69	1.02	1.38	6.30	.27	2.03	.19	2.77	.36	1.31	6.30
55	3.78	1.14	.54	1.78	.83	2.88	1.66	.75	1.59	1.56	.78	.19	3.78
56	.91	1.20	.96	1.22	.31	2.51	.70	1.03	1.90	3.90	.25	1.24	3.90
57	.61	.36	1.58	.78	1.73	2.85	1.16	1.63	.92	.53	1.55	.71	2.85
58	1.57	1.39	1.62	1.76	1.07	2.39	1.76	.76	.58	1.25	.28	1.35	2.39
59	.58	1.94	1.35	.96	1.31	1.50	3.51	1.20	3.97	2.09	1.25	2.10	3.97
60	1.49	1.63	1.57	2.26	.54	2.01	2.12	.86	1.70	.81	1.07	1.31	2.26
61	.60	1.73	2.27	1.97	1.83	3.11	1.55	2.01	.83	.70	1.20	1.01	3.11
62	.87	2.39	1.87	.98	.71	1.11	.95	1.53	2.52	.56	2.02	.91	2.52
63	1.48	.73	1.38	1.54	.47	1.09	1.32	.57	2.12	.06	1.92	1.00	2.12
64	1.96	1.96	1.08	1.29	1.77	.76	2.21	2.08	2.88	3.31	.27	1.38	3.31
65	.49	1.17	1.77	.61	1.13	3.45	2.42	1.03	1.69	1.84	1.55	.29	3.45
66	* 1.52	1.28	3.19	1.58	2.34	.96*	3.31*	1.50	1.30	.73	.44	.72	* 3.31
67	.80	1.27	.58	1.28	2.76	.79	.99	4.00	1.44	.66	1.60	1.40	4.00
68	1.33	.84	.47	1.09	1.13	2.27	.74	1.97	.24	2.73	1.55	.69	2.73
69	1.04	2.44	1.97	1.10	3.48	1.01	1.60	1.30	.83	.53	1.04	1.18	3.48
70	1.16	.97	2.77	.16	.85	5.17	.57	.65	1.19	1.25	1.48	2.89	5.17
71	1.18	1.23	5.65	1.32	1.36	1.15	.75	2.27	.86	2.10	1.28	1.00	5.65
72	1.98	1.02	1.10	.26	.97	1.92	2.45	1.54	2.09	.57	1.21	1.33	2.45
73	.68	2.70	1.61	1.89	1.33	7.51	1.77*	.52	1.45	.74	.28	1.21	7.51
74	2.18	1.15	.70	.84	1.02	.55	2.97	2.84	3.17	.03	1.27	1.32	3.17
75	1.45	1.68	.99	1.38	2.92	1.65	1.62	.43	1.87	.75	1.05	1.34	3.65
MEAN													
S. D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-J (OLA)

2

PRECIPITATION

(FROM DAILY OBSERVATIONS)

~~13849~~ ~~SHAW AFB SOUTH CAROLINA/SUMTER~~ ~~46-78~~

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

13849 STATION SHAW AFB SOUTH CAROLINA/SUMTER 46-78 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB	MAR	APR.	MAY	JUN	JUL	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
46												.90	
47	3.29	.32	5.14	6.58	1.82	5.13	3.30	3.93	3.14	3.58	7.84	4.23	48.30
48	3.37	4.74	6.04	1.25	3.46	3.97	3.08	4.79	5.76	5.21	7.55	3.78	53.00
49	.72	6.35	1.25	5.58	4.99	3.60	1.85	10.25	3.67	3.45	2.19	1.33	45.23
50	1.92	1.02	4.08	2.34	2.48	3.01	5.70	2.13	4.45	1.41	.80	4.50	33.84
51	.75	1.18	4.96	2.33	.40	2.22	6.65	2.34	4.32	.23	1.99	3.15	30.52
52	2.41	3.39	6.40	3.58	4.24	4.37	4.44	14.50	2.56	.49	1.44	2.62	50.44
53	2.74	5.79	3.51	3.36	2.58	2.14	1.85	2.89	6.56	.09	.78	6.46	38.75
54	1.70	.55	2.92	1.52	2.35	6.76	.69	4.48	.33	3.16	.98	2.27	27.71
55	6.60	1.97	1.67	3.11	2.79	5.29	6.31	2.48	2.87	2.52	1.67	.27	37.55
56	1.42	5.89	3.02	2.98	.85	3.68	1.94	4.11	4.22	6.58	.63	2.10	37.42
57	1.42	1.39	4.15	1.00	5.17	5.54	3.76	7.01	4.30	1.43	5.98	2.50	43.65
58	4.63	3.86	6.21	10.08	5.07	7.65	8.03	3.31	1.06	2.57	.33	3.40	56.20
59	2.70	5.18	5.26	2.36	4.97	3.28	13.35	3.08	6.62	9.11	1.48	3.09	60.48
60	5.30	5.84	3.67	4.87	1.05	3.74	7.52	2.65	4.36	2.63	1.95	2.24	45.82
61	1.27	5.64	5.29	5.80	4.19	8.90	9.07	8.52	.99	.70	1.44	2.19	54.00
62	3.82	4.36	4.29	2.91	1.60	5.87	3.53	4.62	3.40	.85	4.88	2.51	42.64
63	5.55	2.92	3.15	2.75	1.49	4.52	5.26	1.17	5.52	.11	5.27	3.55	41.26
64	7.37	5.77	4.38	2.43	2.47	4.58	11.98	5.44	4.74	8.75	.88	3.86	62.65
65	1.28	5.48	8.16	2.93	2.96	11.70	6.76	5.37	2.19	2.23	2.27	.70	52.03
66	* 5.82	4.09	3.87	3.32	9.63	2.90	* 5.03	* 8.62	2.34	1.34	.83	3.44	* 51.23
67	2.98	3.40	1.66	2.27	6.32	2.80	5.99	7.48	1.81	.81	2.88	4.02	42.42
68	3.96	1.76	1.73	4.07	2.40	5.94	3.39	3.43	.51	5.42	3.94	2.61	39.16
69	2.08	4.97	3.83	3.49	5.46	5.25	5.38	3.17	1.96	1.07	1.32	2.93	40.91
70	2.51	2.48	8.21	.35	2.29	6.02	1.43	4.13	3.00	3.78	1.59	4.17	39.96
71	3.51	3.29	12.73	3.48	2.98	6.03	4.58	3.72	1.77	6.51	2.47	2.09	53.16
72	7.14	3.09	3.38	.78	6.19	7.04	6.07	5.67	4.51	1.20	5.36	4.64	55.07
73	3.17	6.52	6.39	3.75	3.93	17.83	4.63	* 2.30	3.54	1.12	.43	5.71	* 59.32
74	5.39	4.05	3.00	2.83	2.73	1.50	6.86	7.46	6.34	.03	2.95	4.84	47.98
75	5.36	5.76	3.78	4.83	9.56	7.33	10.88	1.51	4.78	1.03	2.18	4.68	61.68
MEAN													
S D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OIA)

XXXXXXXXXXXXXXXXXXXXX
 MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

~~13849~~ ~~SHAW AFB SOUTH CAROLINA/SUNTER~~ ~~46-78~~
STATION STATION NAME

YEARS

MONTH YEAR	JAN.	FEB	MAR	APR	MAY	JUN	JUL.	AUG.	SEP.	OCT	NOV.	DEC.	ALL MONTHS
76	3.60	.88	3.55	.92	5.74	9.98	6.43	1.95	4.58	3.29	4.17	5.14	50.23
77	2.41	2.30	3.83	1.72	1.69	4.34	2.97	5.49	1.81	1.52	1.64	5.23	34.95
78	5.94	1.40	2.29	4.71	2.72	2.65	2.90	3.05	2.21	.10	3.25		
MEAN	3.42 ⁵	3.613	4.431	3.259	3.642	5.486	5.374	4.671	3.444	2.573	2.605	3.286	45.758
S.D.	1.883	1.922	2.293	1.945	2.230	3.229	3.051	2.834	1.740	2.475	2.023	1.476	9.197
TOTAL OBS.	991	904	992	960	992	960	991	989	960	992	960	992	11683

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAF-ETAG
AIR WEATHER SERVICE/HAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

16-7
YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	95.3	3.5	.7	.3	.1	.1								1.2	990	.3	3.4	.0
FEB	96.3	2.0	.7	.1	.6	.2				.1				1.7	904	1.0	16.5	.0
MAR	98.7	.8	.3		.1		.1							.5	992	.2	3.9	.0
APR	100.0														960	.0	.0	.0
MAY	100.0														992	.0	.0	.0
JUN	100.0														960	.0	.0	.0
JUL	100.0														992	.0	.0	.0
AUG	100.0														989	.0	.0	.0
SEP	100.0														960	.0	.0	.0
OCT	99.9	.1													992	TRACE	TRACE	.0
NOV	99.7	.3													959	TRACE	TRACE	.0
DEC	97.8	1.9	.2					.1						.3	992	.2	4.6	.0
ANNUAL	99.0	.7	.2	.0	.1	.0	.0	.0		.0				.3	11602	1.7		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

13849 SHAW AFB SOUTH CAROLINA/SUMTER 46-78
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR.	APR.	MAY	JUN	JUL	AUG	SEP.	OCT.	NOV	DEC	ALL MONTHS
46												.0	
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
51	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
52	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
53	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
54	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
55	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
56	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
58	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	4.6
59	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
60	TRACE	.1	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7
61	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
62	.3	TRACE	.3	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.3
63	TRACE	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.0
64	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
65	1.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
66	* .4	TRACE	.0	.0	.0	.0	.0*	.0	.0	.0*	.0	TRACE	* .4
67	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
68	* .2	1.9	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	1.9
69	TRACE	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0
70	3.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.4
71	TRACE	TRACE	2.4	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.4
72	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
73	1.6	13.8	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.4	13.8
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
75	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

2

SNOWFALL

13849 STATION SHAW AFB SOUTH CAROLINA/SUMTER 46-78 YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXX
EXTREME VALUES
XXXXXXXXXX
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

13849 SHAW AFB SOUTH CAROLINA/SUMTER 46-79

STATION

STATION NAME

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB	MAR	APR	MAY	JUN.	JUL.	AUG	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46												.0	
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
51	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
52	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
53	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
54	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
55	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
56	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
58	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	6.5
59	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
60	TRACE	.1	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0
61	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
62	.3	TRACE	.5	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.8
63	TRACE	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.0
64	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
65	1.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3
66	* .5	TRACE	.0	.0	.0	.0	.0*	.0	.0	.0*	.0	TRACE	* .5
67	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
68	* .2	4.1	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	* 4.3
69	TRACE	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.1
70	3.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.4
71	TRACE	TRACE	2.4	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.4
72	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
73	3.0	16.5	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.8	* 20.3
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
75	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN													
S.D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

2

(FROM DAILY OBSERVATIONS)

46-78

YEAR:

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAF-FTAG
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

13849 STATION SNOW AFB SOUTH CAROLINA/SUMTER 6-7- YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	98.4	1.0	.2	.3	.1									.6	991			
FEB	98.3	.4	.4		.1	.1	.2	.3						1.2	904			
MAR	99.8		.1		.1									.2	992			
APR	100.0														960			
MAY	100.0														992			
JUN	100.0														960			
JUL	100.0														992			
AUG	100.0														989			
SEP	100.0														960			
OCT	100.0														992			
NOV	100.0														960			
DEC	99.0	.3	.2	.4	.1									.7	990			
ANNUAL	99.6	.1	.1	.1	.0	.0	.0	.0						.2	11682			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

13849 SHAW AFB SOUTH CAROLINA/SUMTER

46-78

STATION

STATION NAME

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46												0	
47	0	0	0	0	0	0	0	0	0	0	0*	0	*
48	0	0	0	0	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	1	0	0	0	0	0	0	0	0	0	3	3
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	3	0	0	0	0	0	0	0	0	0	3
61	TRACE	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
62	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
63	TRACE	3	0	0	0	0	0	0	0	0	0	0	3
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	1	0	0	0	0	0	0	0	0	0	0	0	1
66	*	0	0	0	0	0	0*	0	0	0	0	0	0
67	0	1	0	0	0	0	0	0	0	0	0	0	1
68	0	1	0	0	0	0	0	0	0	0	0	0	1
69	TRACE	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	1	0	0	0	0	0	0	0	0	TRACE	1
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	3	17	0	0	0	0	0*	0	0	0	0	TRACE	17
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN													
S. D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

2

SNOW DEPTH

13849 SHAW AFB SOUTH CAROLINA/SLMTER 46-78

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

13849 SHAW AFB SOUTH CAROLINA/SUMTER 46-78

STATION

STATION NAME

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46													
47	SW 36SW 38W 49SSW 36SSE 31SSI 47WNW 35NNW 31NNE 31NNE 34ENE 33W 29												W 49
48	NW 30WNW 38WSW*34 WSW 42ESE 48SW 44WNW 35WNW 24NW 34SSW 31S 28												
49	WNW 28WNW*34W *34NNE 36SSW 39SSE 31SW 33S 43SSE 23E 23NNW 27SE 23												S 43
50	NE 33WNW 35WNW 41S 38NNW 37WSW 40SW 29NE *11												NNW*40SSE 36
51	SW 35SW 49SW 35NNW 36NW 36WSW 68WSW 37W 40SSW 42NNE 25WSW 36SSW 35												WSW 68
52	W 42SW 41SSW 49SE 35SW 41NNW 55NNE 55ENE 58NNE 26N 30N 31W 30												ENE 58
53	WSW 38WSW 37ESE 36SSW 44WSW 54NE 30SSE 32SSE 30E 26SSE 25NNE 32WSW 36												WSW 54
54	SW 31WSW 46NNW 35N 50WSW 42WS 36NNW 36NNW 41W 35NE 50NNW 35NE 43												N 50
55	ENE 39W 45WSW 58WSW 42ENE 37NNW 45ENE 38NE 38ESE 30WSW 28WSW 38WNW 31												WSW 58
56	SW 33SSW 42WSW 44WSW 50NNE 30ESI 33WNW*31SSW*24SSE*36NNE*40WSW*33W 41												WSW 50
57	SSW*36SSW 33NNE 36SE 43NNE 32SW 48W 29NW 47ENE*30NNE 25WSW*33SSW 38												SW 48
58	NNW 30WSW 43NNE 28WNW 43W 42WNW 32SSE 30SSE 35NNW 30NNE 28NW 33WSW 33												WSW 43
59	S 48W 33WSW 36NE 42SSW 24NE 37NNE 37NNE 28E 47SSE 26NNE 26NE 27												S 48
60	NE 27SSW 37WSW 30W 31WSW 26S 28W *32SSW*18NE 22N 20N 23W 28												SSW 37
61	N *31WSW 40W 35WSW 42WNW 29WSW*43W *41SSW*34ESE*23W *25SE *31WSW 22												WSW*43
62	NNW*34W *34WSW*35W 38NNW 40SE 30NW *27WNW*36NNE*25W *23W *30NNE*29												NNW 40
63	NNW 26WSW*24WSW 37E 28ENE 27N *42NNW*28ENE*20WNW*30NNE*24W 36W *26												N *42
64	W 42NW *31WNW 35NNW 24E 29SSW 31SSW 27W 38ENE 27NNE 31NNW 35NNW 33												W 42
65	W *39WSW 50SW 36WSW 37SSW 44SSW 29NNE 37WNW*41ENE*23WSW 31NNW 30N 29												WSW 50
66	W 38SW 52W 34WSW 37NNE 30N 28NW 30SSW*21S 26W 29W 31W 28												SW 52
67	W 34WSW 28E 43N 32WNW 40ENE 44NW 33SW 30NE 20WSW 25W 38W 33												ENE 44
68	NE 27WNW 28S 31WSW 26NNW 35NW 2829/ 2620* 40 5/ 23 2/ 36 5/ 3132/ 36												2J* 40
69	28/ 2926/ 3930/ 4420/ 3022/ 2424/ 3227/ 2829/ 23 5/ 16 3/ 28 7/ 3927/ 30												30/ 44
70	23/ 3021/ 3127/ 2626/ 4228/ 2414/ 4522/ 3028/ 3124/ 24 3/ 2620/ 3031/ 30												14/ 45
71	28/ 3728/ 3728/ 3823/ 2722/ 3417/ 3118/ 52 9/ 3036/ 24 7/ 2333/ 25 4/ 30												18/ 52
72	33/ 2632/ 3730/ 4030/ 3231/ 43 2/ 2925* 3829* 7229* 30 4* 2827/ 4231/ 30												29* 72
73	31/ 2828* 2827* 4227/ 3633/ 3816* 12 1* 26 4* 2227* 2330/ 3821* 34												
74	30/ 3126/ 6827* 4228* 3329* 22 5* 24 3/ 4216* 2823/ 26 3* 2227/ 3111/ 37												26/ 68
75	21/ 3331/ 4227/ 3829/ 3625/ 3024* 4017* 58 2* 2531/ 2725/ 47												
MEAN													
S. D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

\$ (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

USAF ETAC	FORM	0-88-5	NOTES	*	(BASED ON LESS THAN FULL MONTHS)
ETAC	FORM	0-88-5	(OLA)	\$	(BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.8	1.8	.2								7.9	5.2
NNE	1.6	2.9	1.2	.4								6.1	5.5
NE	2.0	4.3	2.6	1.0								9.9	6.0
ENE	.8	2.0	1.0	.1								3.9	5.4
E	.6	.9	.6	.1								2.3	5.9
ESE	.1	.2										.3	3.7
SE	.3		.1									.4	3.3
SSE	.8		.1									.9	3.0
S	1.4	.9	.2	.5								3.0	5.3
SSW	1.1	1.8	.8			.1						3.8	5.4
SW	1.3	2.0	.9	.5	.4	.1						5.3	7.1
WSW	.9	1.9	1.3	1.0		.2						5.3	7.7
W	1.3	3.2	3.2	1.5		.1						9.4	7.3
WNW	1.4	2.4	1.4	.3								5.5	5.5
NW	1.0	1.9	.9	.1								3.9	4.9
NNW	.6	1.6	.6	.3								3.2	5.5
VARBL													
CALM												28.9	
	17.3	30.0	16.7	6.1	.4	.5						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTFR
STATION NAME

66-70,74-78
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.5	1.8	.3								7.9	4.7
NNE	1.7	4.5	2.0	.4								8.7	5.3
NE	2.5	3.8	2.7	.8	.1							9.8	5.9
ENE	1.0	.9	1.9	.2	.1							4.1	6.8
E	.6	.1	.9	.1								1.7	5.9
ESE		.1										.1	4.0
SE	.3	.4										.8	3.1
SSE	.1		.1									.2	5.5
S	.9	.4	.6	.3								2.3	6.0
SSW	1.4	.8	1.0	.1								3.2	4.8
SW	1.2	1.7	2.0	.3								5.3	6.2
WSW	.5	2.2	1.6	.8		.2						5.3	7.4
W	.8	4.4	2.2	.5	.3	.4						8.6	7.7
WNW	2.0	2.5	1.1	.3								5.9	5.0
NW	.9	2.7	1.0									4.5	5.2
NNW	1.3	2.7	.4									4.4	4.2
VARBL													
CALM												27.1	
	18.4	29.7	19.4	4.2	.5	.6						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.5	1.5	.3								7.1	4.9
NNE	2.2	3.8	1.8	.4								8.2	5.3
NE	2.9	4.0	3.9	1.7								12.5	6.4
ENE	1.4	1.5	1.4	.1	.3							4.7	6.2
E	.8	.9	.3									1.9	4.6
ESE	.3	.1										.4	3.0
SE	.2											.2	2.5
SSE													
S	1.0	.5	.2	.2								1.9	4.6
SSW	1.6	1.4	1.3	.4	.1							4.8	5.8
SW	1.5	1.6	1.4	.2								4.7	5.3
WSW	1.2	1.7	1.8	.6	.1	.1	.1					5.7	7.1
W	.8	3.3	2.5	.6	.3		.1					7.6	7.5
WNW	1.7	3.2	1.0			.1						6.0	5.0
NW	1.0	2.3	1.1	.1								4.4	5.2
NNW	1.6	1.5	.6	.1								3.9	4.5
VARBL													
CALM												25.7	
	20.9	28.3	18.8	5.0	.9	.2	.2					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.4	2.8	1.2								6.6	7.4
NNE	.5	1.9	2.3	1.1								5.8	7.6
NE	1.2	3.4	5.3	2.3	.2							12.4	7.9
ENE	2.6	4.1	3.4	.8								10.9	6.0
E	1.5	1.5	1.4	.1								4.5	5.2
ESE	1.1	.5	.1									1.7	3.4
SE	.3	.3	.1									.8	4.7
SSE	.6	.8	.1									1.5	4.1
S	.8	1.1	.1	.3								2.3	5.6
SSW	1.5	1.4	1.4	.5	.1							4.9	5.9
SW	.5	1.4	2.0	1.3	.1							5.4	8.0
WSW	.8	1.0	4.3	1.2	.3							7.5	8.8
W	1.6	3.1	4.0	2.3	.5	.3						11.8	8.3
WNW	.5	2.7	2.0	.2		.2						5.7	6.9
NW	.9	1.5	.5	.3								3.2	5.6
NNW	.3	1.4	1.8	.8								4.3	7.2
VARBL													
CALM												10.8	
	15.9	27.5	31.7	12.3	1.3	.5						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.8	2.9	.4	.1							6.1	7.2
NNE	1.3	1.9	1.7	1.7								6.7	7.4
NE	1.7	2.4	3.2	1.5	.1							8.9	7.2
ENE	1.7	3.4	3.0	.4								8.6	6.0
E	2.0	2.3	1.1	.3								5.7	5.1
ESE	.6	1.3	.2									2.2	4.3
SE	.3	.5										.9	3.9
SSE	.8	.6	.1									1.5	3.6
S	1.1	.9	1.3		.1							3.3	6.0
SSW	.9	2.4	1.8	.9	.1							6.0	6.8
SW	.3	1.4	2.5	1.7	.1							6.0	8.8
WSW	1.0	1.4	2.8	2.6	.5	.2						8.5	9.4
W	1.2	3.1	4.9	4.4	.9	.1	.1					14.7	9.5
WNW	.3	1.6	2.0	1.5	.4							5.9	9.1
NW	.4	1.5	1.7	.4								4.1	6.8
NNW	.6	1.4	1.9	1.2								5.2	7.8
VARBL													
CALM												5.7	
	15.2	28.0	31.3	17.1	2.4	.2	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.7	.9								5.6	6.7
NNE	.9	1.2	2.0	.6								4.7	7.3
NE	1.5	3.3	3.0	1.3								9.1	6.6
ENE	1.3	2.6	2.0	.4								6.3	6.0
E	2.0	2.3	.4									4.7	4.0
ESE	2.0	.9	.2									3.1	3.1
SE	.5	.9	.1									1.5	4.0
SSE	.6	1.0	.6									2.3	5.4
S	1.5	1.9	.4	.2	.2	.1						4.4	5.7
SSW	1.4	2.6	2.5	.8								7.2	6.4
SW	.5	1.4	2.0	1.4								5.4	8.3
WSW	.9	2.4	2.9	2.2	.2							8.5	8.3
W	1.3	2.5	5.7	3.5	1.0	.1	.1					14.2	9.7
WNW	.5	2.4	2.5	1.1	.1							6.6	7.9
NW	.8	2.0	1.2	.5								4.5	6.4
NNW	.6	2.0	1.6	.9								5.2	7.1
VARBL													
CALM												6.7	
	17.4	31.3	29.0	13.8	1.5	.2	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	1.7	.4								4.3	6.3
NNE	1.4	2.3	1.2	.1								4.9	5.1
NE	2.4	3.4	2.7	1.0								9.5	6.0
ENE	1.2	1.7	.6	.2								3.8	5.0
E	1.8	.3	.2	.1								2.5	3.4
ESE	.3	.3										.6	3.7
SE	.4	.4	.1									1.0	4.0
SSE	.8	.8	.3	.1								1.9	4.8
S	1.3	1.3		.2	.1							2.9	4.9
SSW	2.0	1.3	.6	.1	.2							4.3	4.9
SW	1.6	1.5	.9	.4								4.4	5.6
WSW	1.0	1.8	2.4	.5	.1							5.8	6.9
W	2.9	6.1	2.8	1.6	.1	.1						13.7	6.4
WNW	1.8	2.3	1.0	.9								5.9	5.8
NW	.8	1.4	.8	.3								3.2	5.6
NNW	1.1	2.3	.3									3.7	4.2
VARBL													
CALM												27.6	
	21.7	28.4	15.6	6.0	.5	.1						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JAN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.6	1.2	.1								4.9	5.4
NNE	1.4	2.6	1.5									5.5	5.4
NE	1.7	2.5	2.3	1.2								7.6	6.5
ENE	1.6	1.7	.9	.3								4.5	5.1
E	.3	.3	.4									1.1	5.2
ESE	.6	.3										1.0	2.9
SE	.5	.2										.8	3.1
SSE	1.0	.4	.1	.2								1.7	4.7
S	1.2	1.1	.4	.1	.1	.1						3.0	6.0
SSW	1.8	2.0	1.0	.4								5.3	5.4
SW	1.5	1.8	.9	.3								4.5	5.4
WSW	.4	1.3	1.7	.9			.1					4.4	8.4
W	.6	4.2	3.3	2.4	.1							10.6	7.8
WNW	1.2	1.9	1.1	.3								4.5	5.3
NW	1.6	1.7	.8	.1								4.2	4.7
NNW	1.4	1.1	.3	.2								3.0	4.8
VARBL													
CALM												33.3	
	18.1	25.8	15.8	6.6	.2	.1	.1					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.2	1.9	.5	.0							6.3	5.9
NNE	1.4	2.6	1.7	.6								6.3	6.0
NE	2.0	3.4	3.2	1.3	.1							10.0	6.6
ENE	1.4	2.2	1.8	.3	.1							5.9	5.9
E	1.2	1.1	.7	.1								3.1	4.8
ESE	.6	.5	.1									1.2	3.5
SE	.4	.3	.1									.8	3.8
SSE	.6	.4	.2	.0								1.3	4.5
S	1.1	1.0	.4	.2	.1	.0						2.9	5.5
SSW	1.5	1.7	1.3	.4	.1	.0						5.0	5.8
SW	1.1	1.6	1.6	.8	.1	.0						5.1	6.9
WSW	.8	1.7	2.4	1.2	.2	.1	.0					6.4	8.1
W	1.3	3.8	3.6	2.1	.4	.1	.0					11.3	8.1
WNW	1.2	2.4	1.5	.6	.1	.0						5.8	6.4
NW	.9	1.9	1.0	.2								4.0	5.6
NNW	1.0	1.7	1.0	.4								4.1	5.8
VARBL													
CALM												20.7	
	18.1	28.6	22.3	8.9	1.0	.3	.1					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 7433

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.5	1.4	.2								5.3	5.7
NNE	2.0	2.7	1.9	.6								7.2	5.8
NE	1.7	3.8	1.4	.8								7.7	5.7
ENE	1.1	1.1	.9	.2								3.3	5.4
E	.5	1.2	.6									2.2	5.1
ESE	.4											.4	2.3
SE	.6											.6	2.0
SSE		.2	.8	.1								1.2	7.9
S	1.5	1.5	1.4	.4								4.8	5.5
SSW	1.5	3.7	1.5	.1								6.9	5.2
SW	1.4	2.4	1.1	.5								5.3	5.4
WSW	1.3	2.5	1.4	.6								5.8	5.9
W	1.2	3.1	3.8	1.5								9.6	7.5
WNW	1.1	1.9	1.2	.2								4.4	5.3
NW	.7	1.3	1.4	.4								3.8	6.3
NNW	.8	1.3	1.4	.1								3.7	6.0
VARBL													
CALM												27.9	
	16.9	29.1	20.3	5.8								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.8	1.3	.2								8.0	4.9
NNE	2.4	3.8	1.9	.5								8.5	5.2
NE	2.6	4.3	2.6	.6								10.0	5.4
ENE	.9	1.4	1.2									3.5	5.3
E	.7	.8	.5									2.0	4.6
ESE		.1	.1									.2	5.5
SE	.5	.2	.1	.2								1.1	5.6
SSE	.2	.1		.2	.1							.7	9.7
S	.8	1.1	.5	.8	.2							3.4	7.7
SSW	1.9	1.7	.8									4.4	4.7
SW	.6	2.2	1.9	.5								5.2	6.8
WSW	.2	2.1	1.9	.7								5.0	7.4
W	1.5	3.0	5.0	.9	.1							10.5	7.3
WNW	1.4	2.1	1.2	.5	.1							5.3	6.2
NW	1.2	1.3	.5	.1								3.1	4.7
NNW	.6	1.1	1.1	.1								2.8	6.0
VARBL													
CALM												26.1	
	17.3	30.1	20.4	5.4	.6							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.4	1.4	.1								6.6	5.2
NNE	1.5	3.5	3.5	.4								9.0	6.1
NE	2.5	4.7	2.5	1.1								10.8	5.8
ENE	1.1	2.8	1.2	.2								5.3	5.4
E	.1	.5	.6									1.2	6.6
ESE	.1	.1	.2									.5	5.3
SE	.1	.1			.1							.4	8.0
SSE	.6											.6	2.0
S	1.4	.9	.5	.1	.4	.1		.1				3.5	7.6
SSW	2.4	1.8	.6	.6	.1	.1						5.4	5.3
SW	1.3	1.1	1.7	.8								4.8	6.8
WSW	.7	1.9	1.3	.9	.1							5.0	7.4
W	.9	2.5	3.4	.8								7.7	7.1
WNW	.7	2.2	1.4	.6	.1							5.1	6.6
NW	.7	1.8	.7	.1								3.3	5.3
NNW	.9	2.4	1.4									4.7	5.7
VARBL													
CALM												26.1	
	16.8	29.8	20.4	5.8	.8	.1		.1				100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13949
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.9	3.5	.2								6.4	6.8
NNE	.6	2.0	4.6	1.2								8.4	7.7
NE	.8	2.5	5.0	1.9	.1							10.3	8.2
ENE	1.3	3.4	3.8	1.1								9.6	6.8
E	1.7	1.7	.7									4.0	4.4
ESE	.7	.7	.5	.2								2.1	5.8
SE	.2	.4	.2	.1								.9	5.5
SSE	.1	.6	.5	.1								1.3	6.3
S	1.3	1.8	.9	.5	.1							4.6	6.0
SSW	1.3	2.5	2.4	.9	.1	.2						7.4	7.4
SW	.7	2.4	2.1	1.9	.2		.1					7.4	8.6
WSW	.8	2.4	3.5	1.3	.1							8.2	7.9
W	.1	2.8	4.4	1.8	.1							9.2	8.5
WNW	.8	1.4	1.1	1.7	.2							5.2	8.5
NW	.6	.8	1.7	.2								3.3	6.8
NNW	.8	1.8	3.3	.6								6.5	7.1
VARBL													
CALM												5.1	
	12.6	29.0	38.2	13.7	1.1	.2	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.7	2.5	.2								6.9	6.1
NNE	.7	1.8	2.5	1.3								6.3	7.7
NE	.7	2.4	3.7	.6								7.3	7.1
ENE	1.1	2.2	1.9	.4								5.6	6.3
E	.9	1.7	1.5	.1	.2							4.5	6.2
ESE	.5	.2	.2									.9	4.4
SE	.5		.5	.1								1.1	6.6
SSE	.9	.6	.2	.7								2.5	6.8
S	1.3	1.4	1.5	1.2								5.4	7.0
SSW	.6	1.8	2.7	1.0	.4	.1						7.3	9.2
SW	.5	1.3	3.7	2.8	.2	.2						8.7	9.9
WSW	.6	2.1	4.0	4.0	.2	.1						11.1	9.6
W	.5	2.1	4.3	4.3	.9							12.1	9.9
WNW	1.1	1.9	2.4	1.4								6.7	7.7
NW	.5	1.8	2.5	.5	.2							5.4	7.6
NNW	.5	2.0	2.2	.9								5.7	7.3
VARBL													
CALM												2.5	
	12.2	26.0	36.3	20.3	2.2	.5						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.2	3.0	.4								6.3	6.5
NNE	.7	1.8	1.2	.9								4.6	7.1
NE	.6	2.6	3.9	.4								7.4	7.0
ENE	.8	1.8	1.1	.4	.1							4.1	6.3
E	.0	.9	.8	.4								3.0	5.8
ESE	.6	.5	.2									1.3	4.4
SE	.4	.4	.1	.2								1.1	6.1
SSE	.4	.6	.5	.6								2.0	7.4
S	1.3	2.7	2.5	1.4								7.9	6.9
SSW	1.3	1.9	2.7	2.1	.1							8.2	8.0
SW	.5	2.2	3.7	3.7	.2							10.3	9.5
WSW	.7	1.8	3.5	4.1	.5	.2						10.9	10.0
W	1.2	2.6	4.1	3.8	.4	.1						12.2	9.3
WNW	.5	1.4	2.1	1.9	.2							6.1	8.8
NW	.2	2.5	1.7	1.1	.1							5.6	7.9
NNW	.4	2.1	1.9	1.1		.1						5.6	7.9
VARBL													
CALM												3.5	
	11.0	28.0	33.0	22.3	1.7	.5						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.1	1.1	.1								5.0	5.0
NNE	1.3	1.8	.9	.4								4.4	5.2
NE	1.7	2.8	1.5	.8								6.9	5.9
ENE	1.1	1.3	.9	.2								3.5	5.6
E	1.1	1.2	.1									2.4	3.7
ESE	.8	.6	.4	.1								1.9	4.7
SE	.1	.1	.4									.6	7.2
SSE	1.7	.8	.8	.1								3.4	5.1
S	1.7	1.7	1.1									4.4	4.8
SSW	2.7	4.0	1.8	.4								8.9	5.1
SW	1.9	2.7	2.0	.7	.1							7.4	5.9
WSW	1.1	1.9	1.7	1.1		.1						5.8	7.2
W	1.8	4.1	3.8	.7	.4	.1						10.9	6.8
WNW	1.1	.9	1.5	.6	.1							4.3	7.0
NW	1.5	2.8	.7	.4								5.4	5.3
NNW	1.2	1.2	1.3	.5								4.1	6.2
VARBL													
CALM												20.8	
	22.2	30.1	20.0	6.0	.6	.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.8	1.4	.4								5.4	6.0
NNE	1.2	2.2	1.4	.5								5.3	5.9
NE	1.9	2.2	1.3	.1								5.6	4.9
ENE	.9	.9	1.5	.2								3.7	6.1
E	.9	1.4	.4									2.7	4.4
ESE	.4	.7	.4									1.4	5.4
SE	.6	.2	.1	.4								1.3	5.7
SSE	.6	.4	.8	.1								1.9	5.9
S	1.7	2.4	1.5	.6								6.1	5.8
SSW	3.3	3.0	1.1	.4								7.7	4.6
SW	1.8	2.2	1.7	.5								6.1	5.5
WSW	.5	2.0	3.0	.8								6.3	7.5
W	1.2	1.5	2.6	1.1	.1	.1						6.6	8.1
WNW	.9	1.9	2.2	.6								5.7	6.8
NW	1.4	1.1	1.4	.5								4.4	6.0
NNW	.6	.8	2.0	.5								3.9	7.6
VARBL													
CALM												25.9	
	18.7	25.9	22.8	6.5	.1	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.8	2.0	.2								6.2	5.8
NNE	1.3	2.5	2.2	.7								6.7	6.3
NE	1.6	3.2	2.7	.8	.0							8.2	6.3
ENE	1.0	1.9	1.6	.3	.0							4.8	6.0
E	.8	1.2	.7	.1	.0							2.7	5.1
ESE	.4	.4	.3	.0								1.1	4.9
SE	.4	.2	.2	.1	.0							.9	5.8
SSE	.6	.4	.5	.3	.0							1.7	6.3
S	1.4	1.7	1.2	.6	.1	.0		.0				5.0	6.4
SSW	1.9	2.5	1.7	.8	.1	.0						7.0	6.3
SW	1.1	2.1	2.2	1.4	.1	.0	.0					6.9	7.6
WSW	.7	2.1	2.5	1.7	.1	.1						7.2	8.2
W	1.0	2.7	3.9	1.9	.3	.0						9.8	8.2
WNW	.9	1.7	1.6	.9	.1							5.3	7.2
NW	.9	1.7	1.3	.4	.0							4.3	6.4
NNW	.7	1.6	1.8	.5		.0						4.6	6.8
VARBL													
CALM												17.2	
	16.0	28.5	26.4	10.7	.9	.2	.0	.0				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.7	2.2	.2	.1							6.8	6.1
NNE	1.4	1.9	.9									4.2	4.8
NE	1.2	1.3	.5	.4								3.4	5.5
ENE	.8	1.1	.8	.2								2.8	5.6
E	2.2	2.4	.6									5.2	4.3
ESE	.3	1.2	.5	.3								2.4	6.1
SE	1.1	.4		.1								1.6	3.3
SSE	1.0	.9	.1	.1								2.0	4.3
S	1.4	1.7	1.4	.4								4.9	6.0
SSW	3.2	4.2	1.5	.5	.1							9.6	5.1
SW	1.9	2.6	.6	.2								5.4	4.5
WSW	1.4	1.1	2.5	.8								5.7	7.0
W	.4	4.0	2.7	.5								7.6	6.5
WNW	1.2	2.5	1.3	.4								5.4	5.6
NW	.5	2.7	.5	.4								4.2	5.8
NNW	1.2	1.2	.8									3.1	4.8
VARBL													
CALM												25.7	
	20.8	31.7	16.9	4.7	.2							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	2.6	.9	.3								7.4	4.2
NNE	1.5	2.9	1.2	.4								6.0	5.6
NE	2.3	2.6	.5	.4								5.8	4.6
ENE	.6	1.9	.4									3.0	4.7
E	1.5	1.6	.4	.2								3.8	4.6
ESE	1.2	1.0	.3	.1								2.6	4.2
SE	.6	.2	.2	.1								1.2	4.2
SSE	.5	.1	.1									.0	3.3
S	.9	1.0	.2	.4								2.5	5.3
SSW	3.3	4.2	1.2	.9	.1							9.7	5.3
SW	1.7	2.4	1.2	.5								5.8	5.6
WSW	1.2	1.0	2.0	.9								5.1	7.2
W	1.3	3.2	2.9	1.3	.1							8.8	7.0
WNW	.8	2.6	.6	.4								4.4	5.5
NW	.9	2.0	.8									3.7	5.1
NNW	1.3	2.2	.8									4.2	4.7
VARBL													
CALM												25.4	
	23.2	31.4	13.8	6.0	.2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.3	2.6	.2								6.7	5.8
NNE	2.3	3.2	1.5	.2								7.2	5.0
NE	2.8	2.8	1.6	.4								7.6	4.9
ENE	2.2	1.6	1.7	.2								5.7	5.2
E	1.3	2.2	.6	.1								4.2	4.9
ESE	.5	.6										1.2	3.1
SE	.2	.1	.1	.1								.5	5.6
SSE	.4	.4	.3									1.2	5.1
S	1.3	1.1	.9	.2								3.4	5.4
SSW	2.8	3.2	1.2	.3								7.5	5.0
SW	1.6	2.0	1.9	.8								6.3	6.3
WSW	.9	1.6	2.3	1.1	.1							5.9	7.7
W	1.2	3.4	1.5	1.8	.2							8.2	7.2
WNW	1.3	2.5	1.1	.4								5.3	5.8
NW	.8	2.0	1.1									3.9	5.3
NNW	1.2	1.5	.4									3.1	4.2
VARBL													
CALM												22.0	
	22.3	30.6	18.8	5.9	.3							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.6	1.8	.6								5.9	6.6
NNE	1.1	.9	2.6	1.2								5.7	7.6
NE	.2	2.5	2.8	1.6								7.1	8.2
ENE	1.4	2.9	4.0	1.3								9.6	7.0
E	1.9	3.1	2.3	.2								7.5	5.3
ESE	.5	.9	.3	.1								1.8	4.9
SE	.2	.9	.6	.1								1.8	6.4
SSE	.4	.8	.4	.1								1.7	5.7
S	1.1	1.1	.6	.6		.1						3.5	6.7
SSW	.8	2.0	3.2	2.0	.1							8.2	8.1
SW	.5	1.3	2.5	2.5	.4							7.2	9.7
WSW	.5	2.9	2.7	1.7								7.8	7.8
W	1.0	3.9	4.7	3.7								13.2	8.5
WNW	.6	1.4	1.7	1.0	.1							4.8	8.2
NW	.9	1.6	1.8	1.0								5.3	7.4
NNW	.8	.5	1.6	.9								3.8	7.5
VARBL													
CALM												4.9	
	12.8	29.1	33.8	18.6	.6	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	1.7	.8								5.3	6.6
NNE	.8	1.8	2.0									4.6	6.3
NE	.9	1.3	1.8	.3								4.3	6.7
ENE	1.7	2.8	2.6	.4								7.5	6.1
E	1.3	3.8	1.5	.3								6.9	5.7
ESE	.4	1.0	.6	.3								2.4	6.4
SE	.1	1.5	.6	.1								2.4	6.1
SSE	1.0	.2	1.1	.4								2.7	6.3
S	.6	2.4	1.5	1.1	.1	.1						5.8	7.8
SSW	.4	2.3	2.3	1.9	.2	.1						7.1	8.7
SW	.1	1.4	3.2	3.3	.8	.1						8.9	10.7
WSW	.6	1.5	3.8	4.9	.4	.2						11.9	11.0
W	.8	2.6	4.6	4.2	.8	.3						13.2	10.1
WNW	.3	1.1	2.8	1.0	.3							5.5	9.2
NW	.3	.3	2.2	.6		.1						3.5	9.3
NNW	.9	.9	2.3	.8								4.7	7.8
VARBL													
CALM												3.2	
	11.3	26.5	34.6	20.5	2.6	1.3						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	1.3	.4								3.3	7.2
NNE	.6	1.0	1.2	.4								3.2	6.8
NE	.9	1.9	1.2	.3								4.3	6.0
ENE	1.0	2.0	1.7	.4								5.2	6.1
E	1.7	1.8	2.2	.2								5.9	5.7
ESE	.8	.5	1.0									2.3	5.8
SE	.6	.5	.3	.2								1.7	5.5
SSE	.6	1.2	.8	.2	.1							2.9	6.1
S	1.4	3.0	3.8	1.7								9.9	7.4
SSW	.8	1.1	3.1	2.4								7.3	8.8
SW	.5	1.4	4.4	2.2	.2							8.7	8.9
WSW	.3	2.0	4.3	3.1	.5							10.3	9.8
W	1.0	2.8	4.7	4.7	1.2	.2						14.6	10.2
WNW	.5	1.0	3.1	2.6	.6							7.8	10.1
NW	.5	1.0	2.0	1.2	.1							4.8	8.6
NNW	.2	.9	1.9	1.3								4.3	8.9
VARBL													
CALM												3.3	
	11.9	23.3	37.0	21.4	2.8	.2						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.8	.9	.9								4.4	6.7
NNE	.6	1.0	.6	.1								2.4	5.5
NE	1.9	1.5	.6	.4	.1							4.6	5.4
ENE	1.3	.9	1.2	.5								3.9	6.1
E	1.4	2.3	.5	.3								4.6	5.0
ESE	1.1	.6	.8									2.5	4.6
SE	.9	1.1	.8									2.7	4.9
SSE	1.2	1.4	.9									3.4	4.9
S	2.4	3.3	3.8	1.5								11.0	6.5
SSW	2.7	2.6	1.7	.8								7.7	5.4
SW	2.6	4.0	2.6									9.1	5.1
WSW	1.0	2.5	1.6	.3								5.4	5.7
W	1.9	4.0	2.4	3.0	.8							12.0	8.1
WNW	.6	1.6	1.6	1.5	.1							5.5	8.4
NW	.9	1.0	1.0	.2								3.0	6.3
NNW	.4	.8	.9	.3								2.4	6.6
VARBL													
CALM												15.4	
	21.7	30.2	21.8	9.9	1.0							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.5	1.6	.2								4.0	6.7
NNE	.5	1.5	.4	.1								2.9	5.1
NE	1.5	1.2	.6	.3								3.7	5.2
ENE	.8	1.2	.6	.3								2.9	5.5
E	.6	1.1	1.0	.1								2.8	5.8
ESE	1.0	1.5	.5									3.0	4.5
SE	.8	1.1	.5									2.4	4.4
SSE	1.3	1.8	.8	.1								4.0	4.6
S	2.4	3.3	3.0	1.1	.1							9.9	6.5
SSW	4.1	4.0	3.2	.9								12.2	5.4
SW	2.5	2.9	1.1									6.5	4.5
WSW	.9	2.8	1.5	.1								5.3	5.7
W	1.7	2.5	2.5	1.8	.1							8.6	7.4
WNW	.9	1.1	.6	.4								3.0	6.1
NW	.9	1.6	.6	.6								3.8	6.3
NNW	.6	1.5	.9	.4								3.4	6.5
VARBL													
CALM												21.8	
	21.2	30.5	19.6	6.7	.2							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUNTER
STATION NAME

66-70, 74-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0	1.6	.5	.0							5.5	6.0
NNE	1.1	1.8	1.3	.3								4.5	5.8
NE	1.5	1.9	1.2	.5	.0							5.1	5.9
ENE	1.2	1.8	1.6	.4								5.1	6.0
E	1.5	2.3	1.2	.2								5.1	5.2
ESE	.7	.9	.5	.1								2.3	5.1
SE	.6	.7	.4	.1								1.8	5.1
SSE	.8	.8	.6	.1	.0							2.3	5.2
S	1.4	2.1	1.9	.9	.0	.0						6.4	6.7
SSW	2.3	2.9	2.2	1.2	.1							8.7	6.3
SW	1.4	2.2	2.2	1.2	.2	.0						7.2	7.2
WSW	.8	1.9	2.6	1.6	.1	.1						7.2	8.3
W	1.2	3.3	3.3	2.6	.4	.1						10.8	8.4
WNW	.8	1.7	1.6	1.0	.1							5.2	7.6
NW	.7	1.5	1.2	.5	.0	.0						4.0	6.8
NNW	.8	1.2	1.2	.5								3.6	6.5
VARBL													
CALM												15.2	
	18.1	29.2	24.5	11.7	1.0	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.2	1.4	.1								4.4	5.7
NNE	.3	1.3	1.3	.3								3.3	7.0
NE	1.1	1.0	1.1	.4								3.7	5.9
ENE	.7	.4	.3									1.4	4.2
E	1.1	1.2	.3	.1								2.8	4.5
ESE	.9	.8	.4									2.1	4.1
SE	1.0	1.3										2.3	3.8
SSE	1.2	.4	.1									1.8	3.3
S	3.3	2.8	1.3	.8								8.2	5.0
SSW	4.3	5.2	2.7	.3								12.6	4.9
SW	2.0	4.1	2.3	.3								8.8	5.5
WSW	1.1	3.4	1.9	.1								6.6	5.4
W	1.2	2.9	2.2	.1								6.4	5.7
WNW	.4	2.8	1.0	.1								4.3	5.5
NW	.8	1.8	.3	.1								3.0	4.8
NNW	.8	1.2	.8									2.8	5.1
VARBL													
CALM												25.4	
	21.0	33.0	17.7	2.9								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	1.0	.1								4.0	5.4
NNE	1.3	1.6	1.7	.7								5.2	6.4
NE	2.1	2.6	1.6	.2								6.4	4.9
ENE	1.4	1.8	.8	.2								4.2	4.8
E	.7	1.1	1.0	.1								2.9	5.4
ESE	.4	.4	.3									1.2	4.9
SE	.3	.4	.1									.9	4.5
SSE	.2	.7										.9	4.3
S	2.0	.9	.8	.3								4.0	5.0
SSW	2.7	4.2	2.3	.2								9.4	5.3
SW	2.2	4.3	2.2									8.8	5.1
WSW	1.6	1.2	2.3	.8								6.6	6.7
W	2.1	3.8	2.6	.6								9.0	5.8
WNW	1.3	2.2	.2	.1								3.9	4.4
NW	.8	1.1	.3									2.2	4.3
NNW	.3	1.8	.4	.1								2.7	3.2
VARBL													
CALM												27.7	
	21.0	29.8	18.1	3.4								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.6	.4	.3								2.6	6.2
NNE	1.1	1.4	1.8	.8								5.1	6.7
NE	2.6	2.8	2.8	1.2								9.3	6.2
ENE	.9	2.4	1.8	1.2								6.3	7.2
E	1.8	2.0	1.0	.3								5.1	5.1
ESE	.3	.9	.3									1.6	4.9
SE	.8	.3	.2									1.3	3.7
SSE	.7	.1	.2									1.0	3.8
S	2.0	1.0	.9									3.9	4.2
SSW	2.1	2.6	1.6	.8	.1							7.1	5.8
SW	.8	1.9	2.3	1.0								6.0	7.1
WSW	1.0	3.2	4.4	.7								9.3	6.9
W	1.7	3.0	4.0	.3	.2							9.2	6.6
WNW	1.4	1.3	1.4	.2								4.4	5.6
NW	1.2	.9	.7	.1								2.9	5.0
NNW	1.3	1.6	.9	.1								3.9	5.1
VARBL													
CALM												20.9	
	19.9	27.0	24.8	7.1	.3							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

APR
MONTH

0900-1100
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.6	2.8	.8	.1							5.4	7.2
NNE	.4	1.0	1.2	.9		.1						3.7	8.4
NE	.4	1.9	2.6	1.8								6.7	8.2
ENE	.6	2.8	3.7	1.3	.1							8.4	7.5
E	1.2	1.4	2.7	1.2								6.6	7.2
ESE	.9	1.2	.9	.1								3.1	5.3
SE	.7	1.8	1.2									3.7	5.7
SSE	.2	1.8	1.1									3.1	6.2
S	.9	1.7	1.1	.8	.1							4.6	7.2
SSW	.7	1.2	2.3	2.2	.1							6.6	9.1
SW	.4	1.9	3.6	2.7	.2	.1						8.9	9.4
WSW	1.3	2.0	4.7	2.9								10.9	8.4
W	1.0	3.3	5.1	3.8	.2							13.4	8.6
WNW	.9	.8	2.2	.8	.2	.1						5.0	8.6
NW	.2	.8	1.0	.4								2.4	8.0
NNW	.3	1.7	1.4	.6								4.0	7.3
VARBL													
CALM												3.6	
	11.4	25.8	37.6	20.2	1.1	.3						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.2	2.1	.6	.3							5.0	7.8
NNE	.2	1.1	1.0	.3	.1							2.8	7.6
NE	.7	2.0	2.0	.4	.1							5.2	6.8
ENE	.6	1.3	1.8	.1								3.8	6.1
E	1.8	2.4	1.3	.4								6.0	5.4
ESE	1.1	1.9	.7									3.7	4.8
SE	.4	.9	1.7	.2								3.2	6.5
SSE	.7	1.9	1.3	.2								4.1	5.8
S	.6	1.8	2.6	.8								5.7	7.4
SSW	1.1	1.6	2.3	2.1	.1							7.2	8.5
SW	.9	1.6	3.3	3.8	.3							9.9	9.5
WSW	.9	2.2	4.4	4.7	1.0	.2						13.4	10.2
W	1.3	2.1	4.6	4.4	.3							12.8	9.3
WNW	.3	1.2	1.8	2.1	.4							5.9	9.9
NW	.3	1.2	1.4	.9								3.9	7.9
NNW	.6	1.8	1.2	.8	.2							4.6	7.6
VARBL													
CALM												2.9	
	12.2	26.2	33.6	21.9	3.0	.2						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.4	1.9	1.6	.1							6.2	8.3
NNE	.3	1.0	.2	.3								1.9	6.3
NE	.6	1.4	1.1	.3								3.4	6.5
ENE	1.0	1.9	1.0	.1								4.0	5.2
E	1.3	1.8	1.4									4.6	5.2
ESE	.8	1.0	.7	.1								2.6	5.3
SE	.2	1.3	1.0	.1								2.7	6.4
SSE	.6	1.8	1.1	.7								4.1	6.9
S	1.6	2.7	5.4	2.6								12.2	7.9
SSW	.8	2.1	3.8	1.8	.2							8.7	8.1
SW	.7	1.1	3.0	2.0	.4							7.2	9.5
WSW	.8	1.8	3.7	3.6	.8	.1						10.7	10.0
W	.8	2.3	4.9	6.2	1.0							15.2	10.3
WNW	.4	1.1	1.7	1.0	.1							4.3	8.6
NW	.4	.8	.9	1.0	.1							3.2	8.8
NNW	.7	2.2	1.8	1.3								6.0	7.7
VARBL													
CALM												3.0	
	11.1	26.8	33.6	22.7	2.8	.1						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.3	1.3	.2								5.1	5.7
NNE	.9	1.1	1.0	.2								3.2	5.9
NE	.6	.9	.3	.2								2.0	5.3
ENE	.3	1.0	.6									1.9	5.1
E	2.8	1.9	1.3	.1								6.1	4.5
ESE	1.2	.6										1.8	3.1
SE	1.1	1.3	.6	.2								3.2	4.9
SSE	1.1	2.0	2.0	.6								5.7	6.3
S	3.3	7.3	4.0	1.7								16.3	6.1
SSW	2.8	3.3	2.0	.6								8.7	5.4
SW	1.6	3.8	1.9	.7								7.9	6.0
WSW	1.0	1.9	2.7	.4								6.0	6.4
W	1.2	5.1	3.4	1.8	.1	.1						11.8	7.1
WNW	1.2	.9	.4	.3								2.9	5.5
NW	.4	.9	.7	.6								2.6	7.4
NNW	.9	1.4	1.0	.3								3.7	6.0
VARBL													
CALM												11.2	
	21.7	35.8	23.2	7.9	.1	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.1	1.8	.2								4.0	6.4
NNE	.6	.7	.7	.1								2.0	5.4
NE	1.0	1.1	1.0									3.1	4.8
ENE	.7	1.1	.2									2.0	4.7
E	.6	.7	.3	.1								1.7	5.1
ESE	1.1	1.7	.3									3.1	4.3
SE	.8	2.3	.4									3.6	4.5
SSE	1.8	3.0	.4									5.2	4.3
S	3.2	5.7	3.2	2.2								14.3	6.4
SSW	3.8	4.1	4.8	.6								13.2	5.7
SW	2.9	3.1	1.2	.1								7.3	4.7
WSW	1.6	1.4	1.3	.3								4.7	5.4
W	1.0	3.8	2.0	.6								7.3	6.2
WNW	.2	1.7	1.0	.3								3.2	6.6
NW	.7	1.4	.7									2.8	5.0
NNW	.3	1.3	.6									2.2	5.1
VARBL													
CALM												20.2	
	21.0	34.2	20.0	4.6								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUNTER
STATION NAME

66-70, 74-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6	1.6	.5	.1							4.6	6.7
NNE	.7	1.2	1.1	.5	.0	.0						3.4	6.8
NE	1.1	1.7	1.6	.6	.0							5.0	6.2
ENE	.8	1.6	1.3	.4	.0							4.0	6.2
E	1.4	1.6	1.2	.3								4.5	5.4
ESE	.8	1.1	.5	.0								2.4	4.6
SE	.7	1.2	.7	.1								2.6	5.2
SSE	.8	1.5	.8	.2								3.2	5.5
S	2.1	3.0	2.4	1.1	.0							8.7	6.4
SSW	2.3	3.0	2.7	1.1	.1							9.2	6.3
SW	1.4	2.7	2.5	1.3	.1	.0						8.1	7.1
WSW	1.2	2.2	3.2	1.7	.2	.0						8.5	8.0
W	1.3	3.3	3.6	2.2	.2	.0						10.7	7.9
WNW	.8	1.5	1.2	.4	.1	.0						4.2	7.1
NW	.6	1.1	.7	.4	.0							2.9	6.5
NNW	.7	1.6	1.0	.4	.0							3.7	6.4
VARBL													
CALM												14.4	
	17.4	29.8	26.1	11.3	.9	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.6	.2									1.4	4.2
NNE	1.9	1.1	.8	.3								4.1	5.2
NE	3.9	1.6	1.4	.3	.1							7.3	4.6
ENE	1.5	.8	1.4	.6								4.3	6.0
E	1.8	2.0	.8									4.6	4.2
ESE	1.1	.8	.4	.1								2.4	4.4
SE	.8	.6	.4	.1								1.9	5.1
SSE	1.1	.9	.2									2.2	3.6
S	3.7	3.3	.6	.1								7.7	4.0
SSW	3.1	4.4	1.4	.2								9.1	4.6
SW	4.1	3.5	1.4	.2								9.2	4.2
WSW	1.8	1.2	.9	.1								4.0	4.8
W	1.0	2.0	1.7									4.7	5.5
WNW	.8	1.4	.6									2.8	4.9
WW	.6	1.0	.3	.1								2.0	4.8
NNW	.8	1.4	.2									2.4	4.2
VARBL													
CALM												29.8	
	28.4	26.7	12.8	2.3	.1							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.0	.5	.2								3.9	5.1
NNE	2.3	1.4	1.1	.6								5.4	5.2
NE	2.9	3.0	1.5	.4								7.8	4.9
ENE	2.4	2.5	.6	.6								6.1	5.0
E	1.9	1.4	1.1									4.4	4.3
ESE	.6	.6	.2									1.5	3.9
SE	.2	.5	.5									1.3	5.8
SSE	.8	.8										1.5	3.1
S	2.0	1.2	.4									3.7	3.5
SSW	3.7	4.4	.5	.2								8.8	4.0
SW	3.7	4.0	1.0									8.6	4.1
WSW	1.7	3.0	.9	.1								5.7	4.5
W	1.5	2.6	.5									4.6	4.3
WNW	1.5	1.8	.3									3.7	3.9
NW	.9	1.0	.2									2.0	3.9
NNW	.3	.9	.1									1.3	3.6
VARBL													
CALM												29.7	
	27.4	31.1	9.6	2.3								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

930

RE MATOLOGY BRANCH

2 R SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.4	1.3	.2								4.2	5.5
NNE	2.3	1.8	2.3	.9								7.2	6.1
NE	2.6	3.4	2.7	.8	.2							9.7	6.2
ENE	1.8	3.3	1.8	.6								7.6	5.6
E	2.8	3.8	.9	.1								7.5	4.5
ESE	.8	.5	.4	.1								1.8	5.1
SE	.3	.5	.4									1.3	5.3
SSE	.4	.4	.2	.2								1.3	5.8
S	1.9	1.7	.5	.1	.1							4.0	4.3
SSW	1.4	3.4	.4	.1								5.4	4.7
SW	2.5	3.3	1.6	.5								8.0	5.1
WSW	1.7	3.1	2.8	.6								8.3	6.1
W	2.4	2.9	1.2	.1								6.8	4.9
WNW	1.4	1.2	.9									3.4	4.6
NW	1.0	1.5	.4									2.9	4.7
NNW	.6	.8	.4									1.8	4.8
VARBL													
CALM												18.8	
	25.2	32.8	18.3	4.6	.3							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13349
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.7	2.3	.1								5.5	5.8
NNE	.9	1.5	1.7	1.2								5.3	7.4
NE	1.4	2.7	2.8	1.8								8.7	7.4
ENE	1.0	2.9	3.8	.5	.1							8.9	6.6
E	2.3	4.1	2.0	1.2								9.6	6.0
ESE	.8	1.1	1.0	.1								2.9	5.6
SE	.6	1.4	1.1									3.1	5.7
SSE	.5	1.3	.8	.1								2.7	5.5
S	1.2	2.2	1.3	.9								5.5	6.4
SSW	1.4	2.5	1.5	.3								5.7	5.7
SW	.6	2.5	1.9	1.3								6.3	7.6
WSW	1.8	4.0	4.5	1.1	.1							11.5	6.9
W	1.6	3.5	4.4	1.4								11.0	7.0
WNW	1.1	2.5	.8	.5								4.8	5.8
NW	1.1	1.5	.5	.2								3.3	4.9
NNW	.2	.6	.4									1.3	5.8
VARBL													
CALM												3.9	
	18.5	35.9	30.8	10.8	.2							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

17849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	2.6	.2								5.7	6.2
NNE	1.6	1.4	1.6	.4								5.1	5.9
NE	1.4	1.3	2.7	1.2	.1							6.7	7.5
ENE	1.1	2.0	2.5	.3	.1							6.0	6.6
E	1.0	2.5	2.9	1.0								7.3	7.1
ESE	1.1	2.2	1.8	.3								5.4	6.0
SE	.8	1.5	.6									2.9	4.9
SSE	1.3	1.6	.6	.2								3.8	4.8
S	1.5	2.5	2.3	.9								7.1	6.3
SSW	1.3	2.4	2.3	.6	.2							6.8	4.8
SW	.8	2.3	3.9	1.0	.2							8.1	7.9
WSW	1.1	2.6	3.0	1.1	.3							8.1	7.6
W	1.5	3.1	3.7	3.2	.1	.1						11.7	8.4
WNW	1.1	3.1	1.2	.5								5.9	6.0
NW	.6	1.5	1.2	.4	.1							3.9	6.6
NNW	.9	1.8	.9	.1								3.7	5.4
VARBL													
CALM												2.0	
	18.1	33.4	33.7	11.5	1.2	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849 SHAW AFB SOUTH CAROLINA/SUMTER 66-70, 74-78 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER 1500-1700
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.4	1.6	.5								5.1	6.0
NNE	.5	1.1	1.1	.9								3.5	7.5
NE	1.5	1.2	2.5	.4								5.6	6.3
ENE	.6	1.8	2.3	.3	.2							5.3	7.1
E	1.7	3.1	2.9	.2								8.0	5.8
ESE	.5	2.5	1.1	.2								4.3	5.7
SE	.3	1.7	1.0	.1								3.1	5.8
SSE	.6	1.8	2.4	.5								5.4	6.8
S	1.3	3.5	2.9	1.1								8.8	6.7
SSW	1.1	2.6	2.6	.9	.1	.1						7.3	7.3
SW	1.1	3.1	3.9	1.2								9.2	7.2
WSW	.6	2.9	3.5	.8	.3							8.2	7.5
W	1.2	2.6	4.3	2.4	.4	.1						11.0	8.6
WNW	.4	1.8	1.2	1.2	.1	.1						4.8	8.2
NW	.4	.9	1.2	.2								2.7	6.4
NNW	1.3	2.6	.6									4.5	4.7
VARBL													
CALM												3.2	
	14.6	34.6	35.2	10.9	1.2	.3						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

MAY
MONTH

1800-2000
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.3	.5	.5								4.6	5.3
NNE	.6	1.3	.6	.4								3.0	6.0
NE	1.0	1.4	1.3	.9								4.5	6.9
ENE	1.6	2.0	1.1	.4	.1	.1						5.4	5.9
E	1.4	3.3	1.7	.3								6.8	5.5
ESE	1.0	1.0	1.1									3.0	5.3
SE	1.2	1.8	1.4	.1								4.5	5.3
SSE	2.3	3.1	1.9	.4								7.7	5.4
S	2.7	4.4	2.9	.6								10.6	5.7
SSW	2.0	2.5	1.9	.4								6.9	5.4
SW	1.9	3.7	1.9	.1								7.6	5.1
WSW	2.4	2.0	1.7	.2								6.3	5.2
W	1.5	3.1	2.5	.6								7.7	6.2
WNW	.9	1.0	.5	.5		.1						3.0	6.7
NW	1.2	.6	.1		.1							2.0	4.1
NNW	.9	1.6	.3	.2								3.0	5.1
VARBL													
CALM												13.1	
	73.8	35.2	21.6	5.9	.2	.2						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13847
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

MAY
MONTH

2100-2300
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.8	.2	.5								2.2	6.1
NNE	1.0	.9	.6	.1								2.6	5.1
NE	2.0	2.0	.5	.8								5.4	5.0
ENE	1.2	2.3	1.2	.4								5.1	5.8
E	2.9	1.3	.4	.2								4.8	3.9
ESE	1.1	2.0	.5									3.7	4.5
SE	1.8	1.8	1.2									4.8	4.6
SSE	2.0	1.9	.6									4.7	3.9
S	5.2	4.1	2.4	.4								12.0	4.6
SSW	3.8	4.6	1.6	.3								10.3	4.7
SW	2.7	1.8	.4									4.9	3.4
WSW	.9	1.5	.8	.1								3.2	5.2
W	1.6	2.4	1.7	.2								5.9	5.5
WNW	1.0	.6	.8	.2								2.6	5.3
NW	.8	.3	.2									1.3	3.5
NNW	.4	.3	.1									.9	4.3
VARBL													
CALM												25.6	
	28.9	28.7	13.4	3.3								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70,74-78

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.5	1.2	.3								4.1	5.6
NNE	1.4	1.3	1.2	.6								4.5	6.1
NE	2.1	2.1	1.9	.8	.1							7.0	6.1
ENE	1.5	2.2	1.8	.5	.1	.0						6.1	6.1
E	2.0	2.7	1.6	.4								6.6	5.4
ESE	.9	1.3	.8	.1								3.1	5.2
SE	.8	1.2	.8	.0								2.9	5.2
SSE	1.1	1.5	.9	.2								3.7	5.1
S	2.4	2.8	1.7	.5	.0							7.4	5.3
SSW	2.2	3.3	1.5	.4	.0	.0						7.5	5.3
SW	2.2	3.0	2.0	.5	.0							7.8	5.6
WSW	1.5	2.5	2.3	.5	.1							6.9	6.3
W	1.5	2.8	2.5	1.0	.1	.0						7.9	6.8
WNW	1.0	1.7	.8	.4	.0	.0						3.9	5.8
NW	.8	1.0	.5	.1	.0							2.5	5.1
NNW	.7	1.2	.4	.0								2.4	4.8
VARBL													
CALM												15.8	
	23.1	32.3	21.9	6.4	.4	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.7	.8	.1								2.3	5.8
NNE	2.0	1.2	.7	.1								4.0	4.4
NE	2.8	2.4	.3	.1								5.7	3.7
ENE	1.4	1.8	1.1									4.3	4.8
E	1.2	2.3	.7	.2								4.4	4.9
ESE	.3	.3										.7	3.7
SE	.9	.2										1.1	2.8
SSE	.9	.2										1.1	2.3
S	3.7	1.3	.7									5.7	3.6
SSW	5.0	3.2	1.1	.1								9.4	3.8
SW	4.2	4.0	1.0									9.2	3.9
WSW	2.4	2.2	.9									5.6	4.1
W	1.1	1.2	.2									2.6	4.1
WNW	.6	1.7		.1								2.3	4.3
NW	.8	1.0	.2									2.0	4.2
NNW	.4	.7	.1									1.2	4.3
VAPBL													
CALM												38.3	
	28.6	24.6	7.8	.8								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.4	.4	.3								4.3	4.5
NNE	1.9	3.1	1.4									6.4	4.8
NE	4.4	3.8	1.0	.1								9.3	4.1
ENE	2.0	2.8	1.1	.1								6.0	4.7
E	1.2	1.4	.6	.2								3.4	5.2
ESE	.4	.1	.1									.7	3.5
SE	.3	.1										.4	2.8
SSE	1.1											1.1	2.0
S	1.9	.6	.2	.1								2.8	3.4
SSW	3.1	2.0	.6									5.7	3.5
SW	4.0	3.0	.4	.1								7.6	3.8
WSW	1.8	3.2	.9	.1								6.0	4.6
W	1.1	2.2	.7									4.0	4.8
WNW	1.0	1.6	.1									2.7	4.2
NW	.7	1.0	.1									1.8	3.8
NNW	.6	.6										1.1	3.5
VARBL													
CALM												36.7	
	27.7	26.9	7.7	1.1								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.7	.8									3.8	4.5
NNE	1.7	2.9	1.9	.7								7.1	6.1
NE	2.4	4.8	2.0	.1								9.3	5.1
ENE	2.6	4.0	2.6	.2								9.3	5.2
E	2.8	2.4	1.4	.2								6.9	4.8
ESE	.3	.3	.1									.8	4.7
SE	.9	.1										1.0	2.1
SSE	.8	.4										1.2	3.0
S	1.1	.9	.2									2.2	3.5
SSW	2.6	2.8	.7	.2								6.2	4.2
SW	1.8	3.8	1.3	.2								7.1	5.1
WSW	1.6	4.6	2.1	.1								8.3	5.4
W	2.1	4.0	1.3	.1								7.6	4.9
WNW	.9	1.4	1.3									3.7	5.6
NW	.7	1.3	.7									2.7	5.0
NNW	.7	1.3	.2									2.2	4.5
VARBL													
CALM												20.6	
	24.1	36.8	16.7	1.9								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.2	1.1	.2								5.2	5.1
NNE	1.6	1.7	2.4	1.4	.1							7.2	7.3
NE	2.1	2.7	3.3	1.2								9.3	6.5
ENE	1.8	3.1	3.9	.7								9.4	6.4
E	2.1	4.1	2.6	1.1								9.9	6.2
ESE	1.8	1.0	.6	.1								3.4	4.3
SE	1.3	.9	.3									2.6	3.9
SSE	.1	.7	.3									1.1	5.4
S	1.3	1.0	1.2	.3								3.9	5.6
SSW	1.2	1.9	1.1	.4								4.7	5.8
SW	.5	3.1	2.0	.3								6.0	6.4
WSW	.9	3.7	4.3	.8								10.7	6.4
W	2.4	4.9	3.8	.3								11.4	5.6
WNW	1.8	2.3	.9									5.0	4.3
NW	.9	.6	.3									1.8	4.1
NNW	1.2	1.1	.4									2.8	4.4
VARBL													
CALM												5.6	
	23.8	34.9	28.7	7.0	.1							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

JUL

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.2	1.4	.3								5.9	5.8
NNE	.8	1.8	1.4	.6								4.6	6.7
NE	1.0	2.4	2.2	.8								6.4	6.6
ENE	1.3	2.8	4.2	.9								9.2	7.1
E	2.0	3.8	3.7	1.2	.1							10.8	6.7
ESE	.9	2.1	1.0	.1								4.1	5.2
SE	1.7	1.3	1.1	.2								4.3	5.3
SSE	1.2	1.8	.8									3.8	4.9
S	1.6	2.3	1.8	.6								6.4	6.3
SSW	.9	2.0	2.2	.1								5.2	6.1
SW	.7	2.6	2.9	.7								6.8	6.9
WSW	.9	3.1	4.6	1.0								9.6	7.3
W	1.2	3.9	3.3	.7								9.1	6.5
WNW	1.1	1.7	1.4									4.2	5.6
NW	.2	1.1	.7	.1								2.1	6.2
NNW	1.2	1.7	.3									3.2	4.3
VARBL													
CALM												4.2	
	17.6	37.6	33.1	7.4	.1							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

JUN
MONTH

1500-1700
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.4	1.3									4.2	5.4
NNE	.8	1.1	1.3	.4								3.7	6.5
NE	.1	1.3	2.1	.8								4.3	8.0
ENE	1.0	3.6	3.9	.3								8.8	6.4
E	1.4	2.9	3.8	1.3								9.4	7.0
ESE	1.9	2.7	2.0	.3								6.9	5.6
SE	1.0	2.0	1.0	.1		.1						4.2	6.0
SSE	1.6	4.1	2.0	.3	.1							8.1	5.8
S	1.9	3.1	3.1	.3								8.4	6.0
SSW	1.3	2.0	2.8	.7								6.8	6.7
SW	.7	2.3	3.2	.7								6.9	7.1
WSW	.6	3.1	2.7	.3								6.7	6.5
W	1.0	3.6	3.4	.9								8.9	6.7
WNW	.4	2.3	.9	.3	.1							4.1	6.3
NW	.3	2.0	.4									2.8	5.0
NNW	.3	1.7	.4	.1								2.6	5.8
VARBL													
CALM												3.2	
	14.8	40.2	34.4	7.0	.2	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.6	.6	.1								3.3	5.2
NNE	1.0	1.7	.7	.2								3.6	5.3
NE	1.2	1.4	.7	.1								3.4	5.1
ENE	1.4	2.3	1.9									5.7	5.5
E	3.1	2.6	1.6	.4								7.7	5.0
ESE	1.4	3.0	.9									5.3	4.7
SE	1.8	2.6	1.2	.1								5.7	4.9
SSE	4.2	3.6	1.2	.2								9.2	4.2
S	4.7	6.0	2.8									13.4	4.6
SSW	2.4	3.9	1.6	.3								8.2	5.1
SW	1.8	3.2	1.4	.2								6.7	5.2
WSW	1.1	1.2	1.0	.1								3.4	5.2
W	.9	1.0	1.8	.2								3.9	6.3
WNW	1.0	1.8	.6	.1								3.4	4.7
NW	.6	1.3	.2	.1	.1							2.3	5.4
NNW	.6	.9	.6		.1							2.1	5.8
VARBL													
CALM												12.6	
	8.3	38.0	18.6	2.3	.2							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849

STATION

SHAW AFB SOUTH CAROLINA/SUMTER

STATION NAME

66-70, 74-78

YEARS

JUN

MONTH

2100-2300

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.8	1.0	.1								2.4	6.3
NNE	1.2	1.9	.4									3.6	4.3
NE	1.7	1.1	.2	.1								3.1	3.8
ENE	1.9	1.4	1.1	.1								4.6	4.7
E	1.9	1.4	.9	.2								4.4	4.9
ESE	1.6	1.2	.2	.1								3.1	3.9
SE	1.7	.6	.6									2.8	3.5
SSE	2.4	2.3	.6	.1								5.4	4.1
S	6.3	4.0	1.0	.1								11.4	3.7
SSW	4.8	5.1	1.1									11.0	4.0
SW	2.4	3.0	1.0									6.4	4.4
WSW	1.7	1.0	.3	.1								3.1	4.4
W	1.0	.8	1.1	.1								3.0	5.5
WNW	.6	.9	.2	.1								1.8	4.9
NW	.4	.2	.2									.9	3.9
NNW	.3	.1	.1									.6	4.4
VARBL													
CALM												32.3	
	30.4	25.9	10.1	1.2								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	.9	.2								3.9	5.3
NNE	1.4	1.9	1.3	.4	.0							5.0	5.8
NE	2.0	2.5	1.5	.4								6.4	5.4
ENE	1.7	2.7	2.5	.3								7.2	5.8
E	2.0	2.6	1.9	.6	.0							7.1	5.8
ESE	1.1	1.3	.6	.1								3.1	4.8
SE	1.2	1.0	.5	.1		.0						2.8	4.6
SSE	1.5	1.6	.6	.1	.0							3.9	4.5
S	2.8	2.4	1.4	.2								6.8	4.7
SSW	2.7	2.9	1.4	.2								7.2	4.7
SW	2.0	3.1	1.7	.3								7.1	5.3
WSW	1.5	2.8	2.1	.3								6.7	5.8
W	1.4	2.7	2.0	.3								6.3	5.8
WNW	.9	1.7	.7	.1	.0							3.4	5.1
NW	.6	1.1	.4	.0	.0							2.0	4.8
NNW	.7	1.0	.3	.0	.0							2.0	4.7
VARBL													
CALM												19.2	
	24.4	33.1	19.6	3.6	.1	.0						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.2	.2									1.1	4.4
NNE	1.4	.4	.1									1.9	3.0
NE	1.9	1.3	.4									3.7	3.8
ENE	1.4	.3										1.7	2.9
E	1.3	.5	.6									2.5	4.2
ESE	1.1	.2										1.3	2.6
SE	.8	.1	.1									1.0	2.8
SSE	1.4	.1										1.5	2.2
S	3.2	2.0	.6									5.9	3.4
SSW	6.5	6.1	1.1									13.7	3.8
SW	4.5	3.2	1.6									11.3	4.3
WSW	2.0	3.3	.9									6.2	4.7
W	1.6	3.5	.9									6.0	4.5
WNW	.8	1.1	.4									2.3	4.8
NW	.3	.3										.6	3.2
NNW	.4	.3										.8	3.7
VARBL													
CALM												38.6	
	29.2	25.2	7.0									100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JUL
MONTH

0300-0500
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.6	.2									2.5	3.3
NNE	1.3	1.7										3.0	3.8
NE	3.2	1.3	.3									4.8	3.4
ENE	1.2	1.5	.4	.1								3.2	4.6
E	1.6	.9	.3									2.8	3.6
ESE	.5	.1										.6	2.5
SE	.4											.4	2.3
SSE	.5											.5	2.0
S	3.5	1.1										4.6	2.6
SSW	4.9	4.2	.2									9.4	3.3
SW	4.9	5.3	.6	.1								11.0	4.0
WSW	2.6	3.2	1.0									6.8	4.3
W	2.5	3.1	1.6									7.2	4.5
WNW	.6	.9										1.5	3.2
NW	.9	.8	.1									1.7	3.9
NNW	.6											.6	2.2
VARBL													
CALM												39.2	
	31.1	24.6	4.8	.2								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.0	.3									2.7	3.7
NNE	2.7	1.3	.6									4.6	3.6
NE	2.6	2.9	1.0									6.5	4.3
ENE	1.6	2.8	.8	.3								5.5	5.1
E	1.6	1.8	.6									4.1	4.3
ESE	.2	.4	.1									.8	4.6
SE	.3	.1										.4	2.5
SSE	.3											.3	1.7
S	3.3	1.6										4.9	2.8
SSW	3.7	3.7	.3									7.6	3.5
SW	4.5	5.3	2.0									11.8	4.4
WSW	3.1	4.5	2.8	.2								10.6	5.0
W	3.3	4.0	2.2									9.5	4.8
WNW	1.1	1.5	.5									3.1	4.5
NW	.6	.8	.3									1.7	4.3
NNW	1.1	.4	.2									1.7	3.4
VARBL													
CALM												24.1	
	31.5	32.0	11.8	.5								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70,74-78

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.1	.5									3.3	4.0
NNE	1.0	1.1	.8	.1								2.9	5.0
NE	1.2	2.6	1.4	.4								5.6	5.8
ENE	1.8	3.2	1.5	.6								7.2	5.7
E	2.2	3.7	2.0	.2								8.1	5.3
ESE	1.3	.9	.5									2.7	3.8
SE	.9	.5	.1									1.5	3.7
SSE	1.6	1.1	.2									2.9	3.4
S	2.4	1.9	.5									4.8	3.9
SSW	2.5	3.4	1.9									7.8	4.6
SW	2.0	4.5	2.7	.3								9.6	5.4
WSW	1.9	4.6	2.5	.1								9.1	5.4
W	3.5	7.5	3.1	.2								14.4	5.1
WNW	1.9	2.9	1.0									5.8	4.4
NW	1.5	1.9	.3									3.8	4.0
NNW	.6	1.3	.2									2.2	4.4
VARBL													
CALM												8.3	
	28.1	42.3	19.4	2.0								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.2	.6									2.7	4.8
NNE	1.1	1.8	1.0									3.9	4.9
NE	.9	2.0	1.5	.4								4.8	6.0
ENE	1.6	3.2	1.5	.3								6.7	5.4
E	1.5	2.8	2.4	.1								6.8	5.8
ESE	1.0	1.8	1.3									4.1	5.3
SE	.9	.6	.4	.1								2.0	4.7
SSE	1.3	1.2	.8	.1								3.3	4.5
S	2.6	4.1	1.4	.4								8.5	5.1
SSW	1.8	4.4	4.1	.6								11.0	6.2
SW	1.5	3.9	3.1									8.5	5.6
WSW	1.7	5.6	3.8									11.1	5.8
W	2.7	5.2	3.8	.3	.1							12.0	5.8
WNW	1.3	2.7	1.4	.2								5.6	5.5
NW	.8	.6	.2	.1								1.7	4.6
NNW	.5	1.0	.2									1.7	4.1
VARBL													
CALM												5.6	
	21.9	42.2	27.4	2.8	.1							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.5	.2	.1								2.3	4.9
NNE	.9	1.1	1.1	.2								3.2	5.9
NE	.4	1.1	.6	.2								2.4	6.1
ENE	.5	2.6	1.8	.2	.1							5.3	6.3
E	2.6	3.4	1.9	.1								8.1	5.1
ESE	1.3	1.9	1.4	.1								4.7	5.1
SE	1.2	2.5	1.2	.1								4.9	5.3
SSE	2.4	2.6	1.0	.2								6.1	4.7
S	2.0	5.6	3.2	.9	.1							11.8	6.1
SSW	2.0	5.2	4.5	.4								12.2	5.9
SW	1.1	4.1	4.1	.8								10.0	6.7
WSW	1.8	3.4	3.2	.2								8.7	5.7
W	1.5	4.0	2.7	.3	.1							8.6	6.2
WNW	1.1	1.2	1.0	.3								3.5	5.7
NW	.2	1.3	.2	.1								1.8	5.6
NNW	.4	.8	.6	.1								1.9	5.9
VARBL													
CALM												4.4	
	19.9	42.2	28.8	4.4	.3							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.4	.4									1.4	4.9
NNE	.8	.8	.2	.2								1.9	5.2
NE	1.5	1.2	.3									3.0	3.7
ENE	1.9	1.8	.6									4.4	4.3
E	2.4	2.6	.8	.1								5.8	4.3
ESE	2.7	1.0	.5									4.2	3.5
SE	2.2	1.6	.3									4.1	3.7
SSE	4.7	3.1	1.1									8.9	3.7
S	5.2	6.9	2.0	.8								14.9	4.7
SSW	4.5	5.2	1.8	.2								11.7	4.5
SW	2.3	5.2	1.6	.1								9.1	4.8
WSW	1.4	2.5	.6									4.5	4.7
W	2.5	2.7	1.0	.4	.1							6.7	4.9
WNW	1.2	.5	.3	.2								2.3	5.0
NW	.1	.2	.3									.6	6.3
NNW	.9	.9		.3								2.0	4.8
VARBL													
CALM												14.3	
	34.7	36.5	12.1	2.4	.1							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849

STATION

SHAW AFB SOUTH CAROLINA/SUMTER

STATION NAME

66-70, 74-78

YEARS

JUL

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.6	.1									1.6	3.7
NNE	.9	.2	.1	.1								1.3	4.0
NE	.8	.8	.3									1.8	4.3
ENE	2.2	.8	.4									3.3	3.8
E	2.3	1.0	.5									3.8	3.5
ESE	1.4	.8										2.2	3.1
SE	2.5	.4										2.9	2.3
SSE	2.8	.5										3.3	2.3
S	6.4	4.4	.6									11.4	3.4
SSW	6.0	5.7	2.0									13.8	4.2
SW	3.6	3.6	.9									8.0	4.0
WSW	2.4	2.0	1.3									5.7	4.5
W	2.6	1.3	.3	.1								4.3	3.8
WNW	.5	.4	.1									1.1	4.0
NW	.5	.1	.1									.8	3.9
NNW	.4	.3	.1	.1								1.0	5.0
VARBL												33.8	
CALM													
	36.0	22.9	7.0	.3								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.8	.3	.0								2.2	4.2
NNE	1.2	1.0	.5	.1								2.9	4.5
NE	1.6	1.6	.7	.1								4.1	4.7
ENE	1.5	2.0	.9	.2	.0							4.7	5.1
E	1.9	2.1	1.2	.1								5.2	4.8
ESE	1.2	.9	.5	.0								2.6	4.2
SE	1.1	.7	.3	.0								2.2	3.9
SSE	1.9	1.1	.4	.0								3.4	3.7
S	3.6	3.5	1.1	.3	.0							8.4	4.3
SSW	4.0	4.7	2.0	.2								10.9	4.5
SW	3.1	4.6	2.1	.2								9.9	4.9
WSW	2.1	3.7	2.0	.1								7.9	5.1
W	2.5	3.9	1.9	.2	.0							8.6	5.1
WNW	1.1	1.4	.6	.1								3.1	4.8
NW	.6	.8	.2	.0								1.6	4.4
NNW	.6	.6	.2	.1								1.5	4.4
VARBL													
CALM												21.0	
	29.0	33.5	14.8	1.6	.1							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0000-0200

CLASS

OURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.4	.1	.1								1.5	3.9
NNE	3.4	.6	.5	.3								4.9	3.9
NE	3.9	2.2	.9	.5								7.4	4.5
ENE	2.4	1.3	.4	.4								4.5	4.5
E	1.0	.6										2.3	3.0
ESE	.6	.3										1.0	2.7
SE	.2			.1								.3	5.3
SSE	.4	.2	.3									1.0	5.2
S	2.3	1.0	.3									3.5	3.3
SSW	6.3	5.6	.5									12.5	3.5
SW	3.1	3.7	.8									7.5	4.0
WSW	1.6	1.0	.2	.1								2.9	4.1
W	1.1	1.1	.4									2.6	4.1
WNW	.9	.4		.2								1.5	4.4
NW													
NNW	.5		.1									.6	3.2
VARBL												45.9	
CALM													
	29.2	18.4	4.6	1.8								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849

STATION

SHAW AFB SOUTH CAROLINA/SUMTER

STATION NAME

66-70, 74-78

YEARS

AUG

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.8	.1									3.2	3.6
NNE	4.4	2.0	1.1	.2								7.7	4.1
NE	5.7	3.2	.4	.8								10.1	4.0
ENE	2.5	1.5	.4	.4								4.8	4.4
E	1.2	.1	.1									1.4	2.7
ESE	.1	.1										.2	3.0
SE	.1	.3										.4	4.0
SSE	.4											.4	1.5
S	1.4	.1										1.5	2.4
SSW	5.1	1.4	.3									6.8	2.9
SW	3.3	3.1	.9									7.3	3.8
WSW	2.0	3.2	.2									5.5	3.8
W	1.6	1.5	.6									3.8	4.3
WNW	1.1	.3	.2									1.6	3.5
NW	.2	.2										.4	3.8
NNW	.5											.5	2.4
VARBL													
CALM												44.2	
	31.0	19.0	4.4	1.4								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70,74-78

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.8	.3									4.3	3.8
NNE	2.7	3.7	1.3	.1								7.7	4.7
NE	4.3	4.9	2.5	1.2								12.9	5.4
ENE	2.2	3.5	1.5	.1								7.3	4.9
E	1.4	.2										1.6	2.3
ESE	.8											.8	1.9
SE	.5	.4										1.0	3.4
SSE	.8											.8	1.7
S	2.9	.3	.1									3.3	2.4
SSW	3.3	2.6	.4	.1								6.5	3.7
SW	3.1	3.8	.6									7.5	3.9
WSW	2.4	3.4	.8									6.6	4.6
W	1.4	2.8	1.0	.1								5.3	4.8
WNW	.8	1.5	.5									2.8	4.6
NW	.3	.5	.3									1.2	5.0
NNW	.4	.2	.3									1.0	4.9
VARBL													
CALM												29.6	
	29.4	29.8	9.7	1.6								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.0	.6	.2								4.3	5.0
NNE	2.3	1.5	2.6	.4								6.8	5.9
NE	1.6	5.2	3.1	1.5								11.4	6.8
ENE	2.2	5.2	1.9	1.1								10.3	5.8
E	1.7	2.8	2.0	.2								6.8	5.2
ESE	1.3	.5	.2									2.0	3.4
SE	1.2	.3	.2									1.7	3.1
SSE	1.0	1.0	.1									2.0	3.5
S	1.8	2.2	.3									4.3	3.8
SSW	1.9	3.9	1.5	.1								7.4	5.0
SW	2.4	4.2	1.7	.2								8.5	5.1
WSW	1.5	4.9	2.2									8.6	5.2
W	2.8	5.8	1.0									9.6	4.5
WNW	1.2	2.4	.9									4.4	4.8
NW	1.1	.8	.2									2.0	4.1
NNW	.9	.8	.1									1.7	3.5
VARBL													
CALM												8.1	
	26.1	43.3	18.7	3.8								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.3	1.1	.2								4.1	5.3
NNE	1.6	3.3	1.8	.4								7.2	5.7
NE	1.1	4.0	2.6	1.1	.2							8.9	6.9
ENE	1.5	4.4	2.3	.5		.1						8.8	6.0
E	2.5	4.8	1.6									8.9	4.8
ESE	1.1	1.3	.6									3.0	4.4
SE	1.1	1.4	.4	.1								3.0	4.8
SSE	1.1	1.6	1.0	.1								3.8	5.2
S	1.6	3.5	1.9	.4								7.5	5.6
SSW	1.9	3.8	3.0	.2								8.9	5.8
SW	1.4	4.7	3.7	.3								10.1	6.1
WSW	1.9	4.1	1.5	.1								7.6	5.2
W	1.7	2.8	1.6									6.1	5.1
WNW	1.2	1.1	.5	.1								2.9	4.7
NW	.8	1.3	.3									2.4	4.3
NNW	.2	1.1	.3									1.6	4.9
VARBL													
CALM												5.1	
	22.2	44.5	24.3	3.7	.2	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.2	.4	.1								2.5	4.9
NNE	1.1	2.6	1.9	.3	.1	.1						6.1	6.6
NE	1.3	4.6	2.6	.6	.2							9.4	6.4
ENE	1.8	4.3	2.2	.3	.1							8.7	5.7
E	2.9	4.3	2.3	.3								9.8	5.1
ESE	.8	1.1	.8	.2								2.8	5.8
SE	1.4	1.4	.1									2.9	3.7
SSE	1.8	3.0	1.5	.2								6.6	5.1
S	3.4	4.7	3.3	.4								11.9	5.4
SSW	1.7	4.3	3.1	.8								9.9	6.1
SW	1.3	4.2	3.7	.3								9.5	6.1
WSW	1.0	2.0	1.6									4.6	5.6
W	1.3	1.2	.9									3.3	4.6
WNW	.3	.8	.4									1.5	5.6
NW	1.0	.9	.6	.1								2.6	5.1
NNW	1.1	1.3	.2									2.6	4.2
VARBL													
CALM												5.4	
	22.9	41.8	25.6	3.8	.4	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.8	.2	.2								2.9	4.1
NNE	1.8	1.3	1.0	.2	.2							4.5	6.0
NE	3.4	2.3	1.5	.5								7.7	4.7
ENE	2.8	2.3	.8	.2								6.0	4.4
E	3.0	3.1	.5	.2								6.9	4.4
ESE	2.8	1.2	.1									4.1	2.9
SE	1.8	1.1	.2									3.1	3.2
SSE	3.2	1.7	.3									5.3	3.2
S	7.3	5.4	1.5	.1								14.3	3.9
SSW	4.5	2.9	1.1	.1	.1							8.7	4.1
SW	2.2	2.4	1.5	.1	.1							6.2	5.0
WSW	.5	1.1	.3	.1								2.0	5.3
W	.8	1.2	.2									2.2	4.3
WNW	.4	.4	.1									1.0	3.7
NW	.2	.4	.2									.9	5.1
NNW	.8	.5	.1	.1								1.5	4.0
VARBL													
CALM												22.7	
	37.3	28.0	9.7	1.9	.4							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.5	.1	.2								1.6	4.7
NNE	2.0	1.2	.3	.6	.1							4.3	5.6
NE	2.6	1.9	.9	.2	.1							5.7	4.8
ENE	2.2	1.4	.8									4.3	4.3
E	1.8	1.2	.3									3.3	3.5
ESE	1.3	.5										1.8	2.6
SE	1.5	.3	.2									2.0	3.3
SSE	2.3	.6	.2									3.1	3.1
S	4.6	4.0	.8									9.4	3.7
SSW	5.7	3.5	.4	.1								9.8	3.4
SW	4.1	2.7	.5									7.3	3.7
WSW	1.2	1.3	.5									3.0	4.1
W	.6	.4	.1	.1								1.6	5.5
WNW	.3	.3	.1	.1								.9	5.1
NW	.1	.2	.2									.5	5.2
NNW	.2	.1										.3	2.3
VARBL													
CALM												41.0	
	31.3	20.3	5.8	1.4	.2							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
MOSES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.2	.4	.1								3.1	4.4
NNE	2.4	2.0	1.3	.3	.1	.0						6.2	5.3
NE	3.0	3.5	1.8	.8	.1							9.2	5.5
ENE	2.2	3.0	1.3	.4	.0	.0						6.9	5.2
E	2.0	2.2	.9	.1								5.1	4.5
ESE	1.1	.6	.2	.0								2.0	3.7
SE	1.0	.7	.1	.0								1.8	3.7
SSE	1.4	1.0	.4	.0								2.9	4.1
S	3.2	2.6	1.0	.1								7.0	4.2
SSW	3.8	3.5	1.3	.2	.0							8.8	4.3
SW	2.6	3.6	1.7	.1	.0							8.0	4.8
WSW	1.5	2.6	.9	.0								5.1	4.8
W	1.4	2.1	.8	.0								4.3	4.6
WNW	.8	.9	.3	.1								2.1	4.6
NW	.5	.5	.2	.0								1.2	4.6
NNW	.6	.5	.1	.0								1.2	4.0
VARBL													
CALM												25.2	
	28.7	30.6	12.8	2.4	.2	.0						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.3	.3	.1								5.1	3.8
NNE	4.3	3.2	1.1									8.7	3.8
NE	6.9	4.2	1.2									12.3	3.6
ENE	2.2	1.4	.4	.1								4.2	3.9
E	1.2	1.3	.4									3.0	4.0
ESE	.9	.4										1.3	2.8
SE	.4	.1										.6	2.0
SSE	.1	.1										.2	2.5
S	1.3	.3	.2									1.9	3.1
SSW	1.8	1.7	.3									3.8	3.6
SW	2.2	1.9	.3									4.4	3.6
WSW	1.0	.7	.2									1.9	4.0
W	2.0	1.4	.1									3.6	3.4
WNW	1.0	1.1	.1									2.2	4.0
NW	.7	.9	.2									1.8	4.3
NNW	1.2	.8										2.0	3.1
VARBL													
CALM												43.0	
	29.7	22.0	5.1	.2								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

SEP
MONTH

0300-0500
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	2.8	.6									6.3	3.8
NNE	5.1	4.8	1.9	.1								11.9	4.3
NE	6.0	5.8	2.4									14.2	4.4
ENE	2.1	1.9	1.3									5.3	4.7
E	1.0	.8	.1									1.9	3.4
ESE	.1	.4										.6	4.2
SE	.3											.3	1.7
SSE	.4											.4	2.0
S	1.0	.3	.1									1.4	3.2
SSW	1.0	1.4	.4									2.9	4.3
SW	1.8	1.6	.1									3.4	3.5
WSW	1.1	1.3	.3									2.8	3.8
W	1.8	.6	.1									2.4	3.4
WNW	1.0	1.2	.2	.1								2.6	4.4
NW	.9	.8	.3	.1								2.1	4.6
NNW	.3	.6	.1									1.0	4.4
VARBL													
CALM												40.3	
	27.0	24.2	8.1	.3								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

SEP
MONTH

0600-0800
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.7	.4									5.9	3.8
NNE	4.9	4.8	2.2	.1								12.0	4.5
NE	6.0	8.3	5.0	.8								20.1	5.2
ENE	2.6	3.0	2.4	.2								8.2	5.1
E	.9	1.8	.7	.1								3.4	4.9
ESE	.6	.1										.7	2.5
SE	.6	.3										.9	2.8
SSE	.1		.1									.2	4.0
S	1.1	.3										1.4	2.8
SSW	1.7	1.7	.3									3.7	3.8
SW	.6	1.9	.4									2.9	5.0
WSW	1.2	1.6	.2									3.0	4.1
W	1.3	.9	.3									2.6	3.4
WNW	1.1	1.8	.3									3.2	4.2
NW	1.0	.9	.2									2.1	2.8
NNW	.8	.9										1.7	3.5
VARBL													
CALM												28.0	
	27.1	30.9	12.8	1.2								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 900

(
2
(

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.3	1.0									4.3	4.5
NNE	1.1	3.2	3.2	.4								8.0	6.4
NE	2.0	5.9	7.1	1.6								16.6	6.8
ENE	3.3	5.3	5.8	1.0								15.4	6.2
E	2.9	4.0	3.7	.4								11.0	5.3
ESE	2.3	1.4	.3									4.1	3.5
SE	1.1	.7	.1									1.9	3.2
SSE	.7	.6	.4									1.7	4.4
S	1.4	.6	.3									2.3	3.4
SSW	.8	2.1	1.2									4.1	5.4
SW	.8	2.1	1.3	.1								4.3	5.8
WSW	1.2	2.4	1.4									5.1	5.3
W	1.7	2.8	1.4									5.9	4.9
WNW	1.2	1.7	.8									3.7	4.7
NW	.4	1.7	.1									2.2	4.6
NNW	.8	1.0	.1									1.9	3.9
VARBL													
CALM												7.4	
	23.8	36.8	28.4	3.6								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

SEP
MONTH

1200-1400
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.8	1.0									5.1	4.2
NNE	2.3	4.4	3.2	.6								10.6	5.9
NE	.8	4.9	5.2	1.3								12.2	7.0
ENE	2.0	3.8	5.4	.7								11.9	6.7
E	2.8	4.3	2.9	.7								10.7	5.8
ESE	2.0	2.0	.9									4.9	4.3
SE	1.1	.6	.8									2.4	5.1
SSE	1.1	.7	.9	.1								2.8	5.3
S	1.9	1.8	.9	.2								4.8	4.8
SSW	.6	2.1	2.0	.3								5.0	6.6
SW	.8	2.1	2.0	.6								5.4	6.7
WSW	.9	2.2	2.3	.7								6.1	6.8
W	1.0	2.7	2.1	.2								6.0	5.8
WNW	1.0	1.1	.2									2.3	3.6
NW	.7	.6	.7									1.9	4.9
NNW	.7	1.1	.3		.1							2.2	5.1
VARBL													
CALM												5.7	
	21.9	36.1	30.9	5.3	.1							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 900

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.2	1.0	.3								5.0	5.4
NNE	1.6	4.4	1.9	.6	.1							8.6	5.7
NE	2.0	4.4	4.9	.7	.1							12.1	6.4
ENE	1.4	4.0	2.8	.2	.1							8.6	5.8
E	2.9	5.0	2.7	.3								10.9	5.1
ESE	1.7	2.1	.9	.2								4.9	4.9
SE	1.3	1.3	.4									3.1	4.4
SSE	2.9	2.4	.4	.2								6.0	3.9
S	2.3	1.6	1.7	.1								5.7	4.9
SSW	1.1	1.3	1.9									4.3	5.8
SW	.6	2.7	1.6	.4								5.2	6.2
WSW	1.4	1.7	1.7	.6								5.3	6.3
W	1.3	2.1	2.2									5.7	5.8
WNW	.3	1.3	.9									2.6	5.6
NW	.6	1.1	.4									2.1	4.6
NNW	1.3	1.6	.1									3.0	3.5
VARBL													
CALM												7.0	
	24.2	39.3	25.4	3.7	.3							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

SEP

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.3	.3									5.3	3.7
NNE	3.3	2.9	.8	.1								7.1	4.1
NE	5.3	5.2	.8									11.3	3.7
ENE	2.9	3.0	.6	.3	.1							6.9	4.8
E	3.7	3.0	.6									7.2	3.7
ESE	.9	.7	.1									1.7	3.5
SE	1.3	.6										1.9	2.8
SSE	2.1	1.6	.2	.2								4.1	4.0
S	4.0	1.3	.4									5.8	3.1
SSW	2.4	.9										3.3	2.8
SW	1.8	1.4	.3									3.6	3.5
WSW	1.1	1.1	.4	.1								2.8	4.7
W	1.0	1.9	.3	.1								3.3	4.5
WNW	1.0	.4	.2									1.7	3.5
NW	.3	.1										.4	2.5
NNW	.9	.7	.1	.1								1.8	3.9
VARBL													
CALM												31.8	
	34.8	27.1	5.2	1.0	.1							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.3	.2									2.3	4.2
NNE	3.6	3.7	.3									7.6	3.7
NE	6.2	4.1	.9	.1								11.3	3.6
NNE	2.8	1.0	1.0									4.8	3.9
E	2.1	1.6	.2	.1								4.0	3.5
ESE	.8	.4										1.2	2.5
SE	.6											.6	1.8
SSE	1.2	.6										1.8	2.8
S	1.8	1.4	.2	.1								3.6	3.7
SSW	3.3	1.7	.2									5.2	3.1
SW	1.7	1.3	.1									3.1	3.4
WSW	.4	1.0	.2									1.7	4.7
W	1.1	.7	.3									2.1	4.0
WNW	1.1	1.3										2.4	3.5
NW	.7	.3	.1									1.1	3.6
NNW	.3	.6	.2									1.1	4.7
VARBL													
CALM												46.1	
	28.4	21.0	4.1	.3								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.1	.6	.1								4.9	4.1
NNE	3.3	3.9	1.8	.2	.0							9.3	4.8
NE	4.4	5.4	3.4	.6	.0							13.8	5.2
ENE	2.4	2.9	2.5	.3	.0							8.2	5.5
E	2.2	2.7	1.4	.2								6.5	4.8
ESE	1.2	1.0	.3	.0								2.4	3.9
SE	.8	.4	.2									1.5	3.7
SSE	1.1	.7	.3	.1								2.2	4.0
S	1.9	1.0	.5	.1								3.4	3.9
SSW	1.6	1.6	.8	.0								4.0	4.5
SW	1.3	1.9	.8	.1								4.1	4.9
WSW	1.1	1.5	.9	.2								3.6	5.4
W	1.4	1.6	.9	.0								3.9	4.7
WNW	1.0	1.2	.3	.0								2.6	4.3
NW	.7	.8	.3	.0								1.7	4.3
NNW	.8	.9	.1	.0	.0							1.8	3.9
VARBL													
CALM												26.2	
	27.1	29.7	15.0	2.0	.1							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

OCT
MONTH

0000-0200
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.9	1.4	.1								5.2	4.9
NNE	4.2	5.2	2.6	.4								12.4	4.9
NE	7.0	5.9	2.5									15.4	4.0
ENE	1.0	1.1	1.1	.1								3.2	5.7
E	.6	.8	.1									1.5	3.9
ESE	.2	.3	.1									.6	4.8
SE	.4	.1										.5	3.2
SSE	.1	.1	.3									.5	7.2
S	.9	.4	.4	.2								1.9	5.0
SSW	1.5	1.2	.4									3.1	4.1
SW	.6	.2	.3									1.2	4.1
WSW	.4	.8	.9									2.0	5.8
W	1.4	1.4	.2	.1								3.1	4.2
WNW	.9	1.6	.1									2.6	4.1
NW	.2	1.0	.3									1.5	5.3
NNW	.6	.9	1.0									2.5	5.6
VARBL													
CALM												42.7	
	21.8	22.8	11.7	1.0								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

OCT
MONTH

0300-0500
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.5	1.4	.4								7.1	5.3
NNE	4.7	5.7	3.8	.3								14.5	5.1
NE	5.7	7.2	2.5	.4								15.8	4.5
ENE	1.5	1.3	.9	.2								3.9	4.9
E	.2	.5	.3									1.1	5.8
ESE	.2											.2	2.0
SE													
SSE	.1	.1	.1	.1								.4	6.8
S	1.3	.3	.3									1.9	3.4
SSW	1.1	.8	.4	.1								2.4	4.5
SW	1.1	.4	.2									1.7	3.5
WSW	.8	.9	.4									2.0	4.8
W	2.0	1.7	.5									4.3	3.9
WNW	1.3	2.0	.3		.1		.1					3.9	5.4
NW	.8	1.7	.8									3.2	5.1
NNW	.4	.4	.8	.1								1.7	5.9
VARBL													
CALM												35.8	
	22.9	26.7	12.7	1.7	.1		.1					100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

UCT

MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.3	2.8	.8								7.6	6.2
NNE	2.8	5.6	4.7	.8	.2							14.1	6.2
NE	7.5	7.0	5.1	.9								20.5	5.1
ENE	1.9	3.3	1.8	.1								7.2	5.2
E	.1	.6	.2	.1								1.1	6.2
ESE	.1	.3										.4	3.8
SE			.1									.1	8.0
SSE	.1	.1										.2	3.0
S	1.1	.8	.5									2.4	4.3
SSW	.8	.4	.3	.1								1.6	4.5
SW	.6	.6	.2	.1								1.6	4.5
WSW	.8	.8	1.0	.2								2.7	5.8
W	1.2	1.2	.4									2.8	4.0
WNW	1.4	1.9	.6	.1								4.1	4.7
NW	1.2	1.1	.9	.1								3.2	5.0
NNW	1.0	1.0	.3									2.3	4.1
VARBL													
CALM												28.1	
	22.4	27.0	19.1	3.2	.2							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849 SHAW AFB SOUTH CAROLINA/SUMTER 66-70,74-78 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0900-1100
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.8	2.2	.6								7.4	5.7
NNE	1.0	3.3	4.6	3.3	.8							13.0	8.7
NE	1.6	4.5	6.3	3.0	.4							15.9	8.1
ENE	2.9	4.7	5.7	1.6								14.9	6.5
E	2.9	3.2	2.7	.2								9.0	5.2
ESE	.5	.4	.1									1.1	3.8
SE	.6	.8	.3									1.7	4.3
SSE	.5	.8	.3									1.6	4.3
S	.6	1.0										1.8	4.6
SSW	.6	1.2	1.0	.4								3.2	6.4
SW	.3	1.7	1.3	.9								4.2	7.0
WSW	.6	1.0	1.4	.6								3.7	7.3
W	2.0	2.3	1.7	.5								6.6	5.8
WNW	1.2	1.9	.4	.1								3.7	4.6
NW	.9	1.3	.8	.1								3.0	5.3
NNW	1.3	1.1	.4									2.8	4.0
VARBL													
CALM												6.3	
	20.5	31.0	29.2	11.7	1.2							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

UCT
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	4.6	3.0	1.0								11.4	5.7
NNE	2.0	3.1	2.8	1.9	.1							10.0	7.4
NE	1.3	4.1	5.4	1.4								12.2	7.2
ENE	1.6	2.6	3.2	1.0								8.4	6.6
E	1.5	4.3	2.9	.3								9.0	5.9
ESE	1.3	2.2	.4									3.9	4.3
SE	.9	1.1	.3									2.3	4.4
SSE	1.0	1.4	.2	.2								2.8	4.7
S	1.3	1.5	.5	.4								3.8	5.4
SSW	.9	1.3	1.6	.3	.1							4.2	6.7
SW	.5	.6	1.1	.3								2.6	6.8
WSW	1.1	2.5	1.8	1.1	.2							6.7	7.0
W	1.4	3.3	2.2	1.1	.1							8.1	6.8
WNW	.8	1.3	1.2	.2								3.4	6.1
NW	.9	1.1	1.0									2.9	5.3
NNW	1.3	1.2	1.0	.3								3.8	5.4
VARBL		.											
CALM												4.7	
	20.4	36.1	28.6	9.6	.5							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.2	3.4	.9								8.0	6.7
NNE	1.2	2.9	2.8	.9								7.7	6.7
NE	2.0	4.2	4.6	1.3								12.2	6.6
ENE	2.2	3.7	2.0	.6								8.5	5.6
E	1.9	4.9	1.7	.3	.1							9.0	5.4
ESE	1.9	1.9	.3	.1								4.3	4.1
SE	1.5	1.2	.3									3.0	3.8
SSE	1.4	1.5	1.1	.3								4.3	5.3
S	.8	1.6	.6	.1								3.1	5.0
SSW	.8	1.8	.8	.2								3.5	5.4
SW	.6	1.7	1.0	.2								3.5	5.7
WSW	1.0	2.5	1.8	.5								5.8	6.2
W	2.0	3.3	1.9	.4	.2							8.0	5.9
WNW	1.6	1.5	1.5	.1								4.7	5.3
NW	.4	1.3	.5									2.3	5.4
NNW	2.3	2.0	1.2	.2								5.7	4.8
VARBL													
CALM												6.3	
	23.1	38.3	25.7	6.2	.3							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

OCT
MONTH

1800-2000
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.9	1.2	.5								7.1	5.0
NNE	2.9	3.2	1.2	.4								7.7	4.9
NE	5.8	4.6	1.8	.3								12.6	4.3
ENE	4.0	.5	.4									4.9	2.9
E	2.7	1.5	.9	.3								5.4	4.3
ESE	.8	1.0		.1								1.8	4.1
SE	.8	.6	.3									1.7	4.0
SSE	1.3	1.0										2.3	3.0
S	1.6	.5	.1	.3								2.6	4.2
SSW	1.4	1.4	.3									3.1	4.0
SW	2.3	1.1	.1									3.4	2.9
WSW	1.3	.4	.2	.1								2.0	3.7
W	3.0	1.9	.5	.1								5.6	3.8
WNW	1.3	.9	.4									2.6	4.1
NW	.2	.2	.1									.5	4.0
NNW	1.4	1.1	.2	.1								2.8	4.0
VARBL													
CALM												33.8	
	33.1	22.9	7.8	2.4								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

OCT
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.0	1.1	.1								4.8	5.1
NNE	2.9	5.4	1.8	.6								10.8	5.2
NE	7.4	4.0	1.5	.1								13.0	3.7
ENE	1.8	.6	.9	.3								3.7	4.7
E	1.0	.9	.8	.1								2.7	5.6
ESE	.9	.2	.1									1.2	3.1
SE	.9	.6	.1									1.6	3.2
SSE	.6	.2	.1									1.0	3.2
S	.4	.9	.2									1.5	4.3
SSW	2.4	1.4	.3	.1								4.2	3.6
SW	1.3	.5	.1	.1								2.0	3.6
WSW	1.0	.4	.5									1.9	4.4
W	1.2	1.0	.3									2.5	4.0
WNW	.8	2.2	.9									3.8	5.0
NW	.2	.1	.1									.4	4.0
NNW	.1	.5	1.2	.1								1.9	7.3
VARBL													
CALM												42.9	
	74.4	21.0	10.0	1.6								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.7	2.1	.6								7.3	5.7
NNE	2.7	4.3	3.0	1.1	.1							11.3	6.2
NE	4.8	5.2	3.7	.9	.1							14.7	5.4
ENE	2.1	2.2	2.0	.5								6.8	5.6
E	1.4	2.1	1.2	.2	.0							4.9	5.3
ESE	.7	.8	.1	.0								1.7	4.0
SE	.6	.6	.2									1.4	4.0
SSE	.6	.6	.3	.1								1.6	4.6
S	1.0	.9	.3	.2								2.4	4.6
SSW	1.2	1.2	.6	.2	.0							3.2	5.0
SW	.9	.9	.5	.2								2.5	5.0
WSW	.9	1.1	1.0	.3	.0							3.4	6.0
W	1.8	2.0	1.0	.3	.0							5.1	5.2
WNW	1.1	1.7	.7	.1	.0		.0					3.6	5.0
NW	.6	1.0	.6	.0								2.1	5.1
NNW	1.0	1.0	.8	.1								2.9	5.0
VARBL													
CALM												25.1	
	23.6	28.2	18.1	4.7	.3		.0					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

NOV
MONTH

0000-0200
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.1	1.4	.1								5.3	5.3
NNE	1.8	4.8	2.2	.4								9.2	5.5
NE	3.1	1.8	1.2									6.1	4.0
ENE	1.4	1.1	.2									2.8	3.9
E	1.2	.9	.3									2.4	3.8
ESE	.3	.3										.7	3.0
SE													
SSE	.3	.3										.7	3.3
S	1.8	.7	.4									2.9	3.5
SSW	2.4	2.1	.7									5.2	3.7
SW	1.3	.7	.9									2.9	4.3
WSW	.3	2.4	1.8									5.0	5.8
W	1.7	3.1	2.3	.3								7.4	5.7
WNW	.4	2.8	1.1	.2								4.6	5.9
NW	1.2	1.8	.9	.3								4.2	5.6
NNW	.4	2.0	.4	.4								3.3	5.9
VARBL													
CALM												37.2	
	20.0	26.9	14.0	1.9								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849 STATION SHAW AFB SOUTH CAROLINA/SUMTER STATION NAME 66-70, 74-78 YEARS NOV MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	4.0	1.6	.1								7.4	4.9
NNE	3.2	3.6	1.7	.2								8.7	4.9
NE	2.2	3.9	1.6									7.7	4.7
ENE	1.6	2.0	.2									3.8	4.0
E	.8	.2										1.0	2.7
ESE	.2	.2										.4	3.8
SE	.7											.7	2.2
SSE	.3											.3	1.7
S	1.3	.1										1.4	2.5
SSW	2.0	2.4	.6									5.0	4.0
SW	1.2	1.3	.9									3.4	4.5
WSW	1.1	1.4	1.0	.3								3.9	5.5
W	1.8	2.2	2.1	.1								6.2	5.4
WNW	1.9	2.0	.8	.1								4.8	4.5
NW	1.6	2.3	.6	.1	.1							4.7	4.8
NNW	1.8	2.1	.6	.2								4.7	4.7
VARBL													
CALM												35.9	
	23.4	27.9	11.4	1.2	.1							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

NUV
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	4.3	2.3									9.2	5.0
NNE	2.1	4.4	2.8	.2								9.6	5.6
NE	3.7	1.9	1.6									7.1	4.2
ENE	.9	1.9	.4	.1								3.3	4.8
E	1.7	.4	.3	.1								2.6	3.8
ESE	.1	.1										.2	3.0
SE	.2	.2										.4	3.5
SSE	.2	.1										.3	3.3
S	.3	.2	.2									.8	4.1
SSW	1.9	1.2	1.1									4.2	4.6
SW	1.4	1.6	.2	.1								3.3	4.0
WSW	.9	1.4	1.3	.7	.1							4.4	7.1
W	2.0	2.2	2.0	.6								6.8	6.0
WNW	1.4	2.1	.7	.1								4.3	4.7
NW	1.7	1.9	.9									4.4	4.7
NNW	1.2	1.6	.9									3.7	4.7
VARBL													
CALM												35.2	
	22.3	25.7	14.8	1.9	.1							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

900

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	4.8	3.0	.6								10.4	5.9
NNE	.8	1.7	3.4	1.7								7.6	7.9
NE	2.0	2.2	3.0	.8								8.0	6.6
ENE	2.8	4.3	3.1	.9								11.1	5.7
E	2.6	1.9	1.6	.2								6.2	5.0
ESE	.6	.8	.2									1.6	4.3
SE	.3	.3	.1									.8	3.9
SSE	1.4	1.0	.1									2.6	3.5
S	1.2	1.2	.8	.4	.1							3.8	5.9
SSW	.7	1.1	1.2	.7								3.7	7.1
SW	.6	1.0	1.3	1.0	.1							4.0	8.1
WSW	.7	1.8	2.4	.9	.2							6.0	7.9
W	1.8	3.3	3.6	1.6	.3							10.6	7.2
WNW	1.3	1.3	1.7	.8								9.1	6.6
NW	.9	1.4	1.3	.6	.1							4.3	6.9
NNW	1.3	1.3	1.0	.4								4.1	5.9
VARC:													
CALM												10.2	
	21.0	29.6	27.9	10.4	.9							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

NDV

MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	4.3	2.1	.8								8.7	6.0
NNE	1.9	2.0	2.2	1.7								7.8	7.1
NE	1.9	2.0	1.8	.6								6.2	5.8
ENE	1.7	2.7	1.4	.6								6.3	5.6
E	1.7	2.2	.9	.3								5.1	5.3
ESE	1.2	1.7	.8									3.7	4.5
SE	.2	.6	.4									1.2	5.7
SSE	.8	.7	.3									1.8	4.4
S	.8	1.4	1.6	.4								4.2	6.1
SSW	1.3	2.2	1.8	.9								6.2	6.8
SW	1.1	1.8	2.7	1.7								7.2	7.7
WSW	.8	3.1	3.0	1.4	.2							8.6	7.7
W	1.7	2.3	4.4	2.4	.4							11.3	8.1
WNW	1.2	2.0	2.1	1.9	.2							7.5	8.2
NW	.8	1.1	1.6	.4								3.9	6.8
NNW	1.4	1.8	1.8	.3								5.3	5.8
VARBL													
CALM												4.9	
	19.9	31.9	28.9	13.5	.9							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUNTER

66-70, 74-78

NOV

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.2	2.0	.5								6.3	5.6
NNE	.9	3.7	2.1	.6								7.2	6.3
NE	.9	2.6	2.1	.3								5.9	6.0
ENE	1.3	1.4	1.1	.4								4.3	5.8
E	2.2	2.1	.4	.3		.1						5.2	4.7
ESE	1.1	.8	.4									2.3	4.1
SE	.7	.8	.3									1.8	4.4
SSE	1.1	.8	.4									2.3	4.5
S	2.2	2.8	1.3	.2								6.6	4.8
SSW	1.7	2.2	1.8	.4	.1							6.2	6.2
SW	.7	1.7	2.7	.3								5.3	7.0
WSW	1.4	3.2	1.9	1.7								8.2	7.1
W	1.6	4.0	3.8	2.7	.2	.1						12.3	7.8
WNW	1.7	1.9	2.2	1.2								7.0	7.0
NW	1.6	1.7	1.6	.3								5.1	5.7
NNW	.8	2.0	1.0	.6								4.3	6.3
VARBL													
CALM												9.3	
	11.6	33.8	25.3	9.5	.3	.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

NOV
MONTH

1800-2000
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.7	1.4	.2								5.6	5.5
NNE	2.2	2.7	1.3	.4								6.7	5.2
NE	2.9	.8	.4	.1								4.2	3.7
ENE	1.3	.7	.8	.1	.1	.1						3.1	6.0
E	.3	.2	.1	.6								1.2	8.2
ESE	.8	.6	.1									1.4	3.5
SE	.7	.3	.2									1.2	3.5
SSE	.7	.6	.2									1.4	3.9
S	1.8	1.4	.8	.1								4.1	4.5
SSW	2.0	.8	.1	.3								3.2	3.8
SW	2.1	2.3	.2									4.7	3.7
WSW	1.3	2.3	1.0	.6								5.2	5.9
W	2.6	4.0	3.2	1.0								10.8	6.0
WNW	1.9	1.7	.7	.1								4.3	4.3
NW	1.9	.7	.7									3.2	4.1
NNW	1.3	1.1	.7	.1								3.2	4.6
VARBL													
CALM												36.2	
	25.1	22.8	12.0	3.7	.1	.1						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0	1.1	.6								5.7	5.5
NNE	2.0	3.5	2.0	.4								7.9	5.5
NE	2.7	1.9	.8									5.4	3.9
ENE	.7	.6	.2	.1								1.6	4.4
E	.8	1.1	.1	.1								2.1	4.3
ESE	.3	.2										.6	3.6
SE	.2		.2									.4	5.3
SSE	.3	.4	.1	.1								1.0	4.8
S	1.5	1.8	.7									3.9	4.6
SSW	2.3	1.1	.4	.2								4.1	3.7
SW	1.9	1.3	.8									4.0	3.9
WSW	.9	2.5	1.3	.1								4.8	5.6
W	1.8	2.8	1.9	1.1								7.6	6.5
WNW	1.1	2.1	1.7	.2								5.1	5.9
NW	1.0	1.9	.7	.2	.1							3.9	5.6
NNW	.6	1.6	.4	.1								2.7	5.3
VARBL													
CALM												39.2	
	20.1	24.8	12.5	3.3	.1							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

896

GLOBAL CLIMATOLOGY BRANCH.
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.3	1.9	.3								7.3	5.5
NNE	1.9	3.3	2.2	.7								8.1	6.0
NE	2.4	2.1	1.6	.2								6.3	5.0
ENE	1.5	1.8	.9	.3	.0	.0						4.5	5.3
E	1.4	1.1	.5	.2		.0						3.2	4.8
ESE	.6	.6	.2									1.4	4.1
SE	.4	.3	.2									.8	4.2
SSE	.7	.5	.2	.0								1.3	4.0
S	1.4	1.2	.7	.2	.0							3.5	4.8
SSW	1.8	1.7	1.0	.3	.0							4.7	5.1
SW	1.3	1.5	1.2	.4	.0							4.4	5.7
WSW	1.0	2.3	1.7	.7	.1							5.8	6.8
W	1.8	3.0	2.9	1.2	.1	.0						9.1	6.8
WNW	1.4	2.0	1.4	.6	.0							5.3	6.1
NW	1.3	1.6	1.0	.3	.0							4.2	5.6
NNW	1.1	1.7	.8	.3								3.9	5.4
VARBL													
CALM												26.0	
	21.7	27.9	18.4	5.7	.3	.0						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

7192

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

65-70, 74-77
YEARS

DEC
MONTH

0000-0200
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.5	1.1									5.5	4.5
NNE	2.5	4.6	1.2									8.3	4.3
NE	2.0	2.9	1.2	.3								6.7	5.2
ENE	1.5	.6	.4	.1								2.7	4.3
E	.3	.4	.9	.2								1.8	6.8
ESE	.9		.2									1.1	3.3
SE	.5	.1										.6	2.7
SSE	.2		.1									.3	5.0
S	1.3	.6	1.5	.1								3.5	5.8
SSW	2.2	2.4	1.1	.3	.1							6.0	5.2
SW	1.4	1.9	.8	.2								4.3	4.9
WSW	.9	1.3	2.0	.8								4.9	7.3
W	1.2	3.7	3.3	1.6	.1							9.9	7.1
WNW	1.3	2.9	.9	.2	.1	.1						5.5	5.5
NW	1.0	1.8	.8	.6								4.2	6.4
NNW	.8	1.3	.9									2.9	5.3
VARBL													
CALM												31.7	
	19.8	27.1	16.2	4.7	.3	.1						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

65-70, 74-77
YEARS

DEC
MONTH

0300-0500
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.4	.9									5.4	4.3
NNE	1.9	3.2	1.3	.3								6.8	5.2
NE	3.4	4.8	1.7	.4								10.4	4.7
ENE	1.3	1.2	1.2	.3								4.0	5.6
E	.9	.1		.3								1.3	4.9
ESE	.3	.1	.1									.5	3.8
SE	.3											.3	1.3
SSE	.4	.2	.2									.9	4.1
S	1.2	.6	.6	.3								2.8	5.3
SSW	2.5	1.3	1.1	.2								5.1	4.4
SW	1.3	1.3	1.2	.5								4.3	6.1
WSW	1.1	1.9	1.4	.6	.3							5.4	7.0
W	1.1	4.1	3.8	1.6								10.5	7.1
WNW	1.2	2.6	1.7	.2	.1							5.8	5.8
NW	.8	1.8	1.3	.6								4.5	6.5
NNW	.9	1.7	.8	.1								3.4	5.3
VARBL													
CALM												28.6	
	20.6	27.4	17.2	5.7	.4							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

65-70, 74-77
YEARS

DEC
MONTH

0600-0800
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.2	.4									5.6	4.3
NNE	2.9	2.9	1.1	.1								7.0	4.3
NE	3.3	2.9	2.4	.4								9.0	5.3
ENE	2.0	2.8	1.6	.6	.1							7.2	5.7
E	.4	.6	.5	.1								1.7	5.7
ESE		.3										.3	5.0
SE	.2	.1										.3	3.0
SSE	.4	.1										.5	2.2
S	1.4	.6	.6	.3	.1							3.1	5.8
SSW	1.6	1.2	.5	.1								3.4	4.6
SW	1.8	1.3	1.2	.5								4.8	5.7
WSW	.9	1.2	1.3	1.2								4.5	7.5
W	2.4	4.6	3.4	1.6		.1						12.2	6.8
WNW	1.2	1.8	1.0	.3								4.3	5.7
NW	.8	1.7	2.5	.5								5.5	6.7
NNW	1.0	1.8	.6									3.4	5.0
VARBL													
CALM												27.0	
	22.3	27.3	17.2	5.9	.2	.1						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

65-70, 74-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.6	1.8	.5								5.9	6.3
NNE	.8	1.8	2.0	.2								4.8	6.2
NE	2.2	3.0	2.7	1.7								9.6	6.8
ENE	1.5	4.8	3.0	1.3								10.6	6.5
E	1.9	2.8	2.0									6.8	5.2
ESE	1.0	.6	.3									1.9	4.1
SE	.5	.4	.1									1.1	3.4
SSE	1.0	1.0	.3	.1								2.4	4.4
S	1.6	.9	.6	.3								3.4	5.0
SSW	1.9	1.6	1.2	.9								5.6	6.0
SW	.9	1.6	.9	1.7								5.1	7.7
WSW	.4	2.6	2.2	2.2	.1							7.4	8.5
W	1.2	3.0	4.3	2.8	.9	.1						12.3	9.1
WNW	.8	1.5	2.2	.6	.2							5.3	7.4
NW	.5	1.4	1.6	.9								4.4	7.5
NNW	.8	1.5	1.2	.3								3.8	6.1
VARBL													
CALM												9.7	
	17.8	31.2	26.5	13.5	1.2	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849 SHAW AFB SOUTH CAROLINA/SUMTER 65-70, 74-77 DEC

STATION STATION NAME YEARS NORTH

ALL WEATHER 1200-1400

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.6	1.7	.4								4.8	6.5
NNE	1.0	2.9	1.7	.1								5.7	5.6
NE	1.2	3.7	2.2	.3		.1						7.4	6.3
ENE	2.2	4.4	1.8	.3								8.7	5.3
E	1.5	2.7	1.3	.1								5.6	5.0
ESE	1.0	.8	.2	.1								2.0	3.7
SE	.5	.4										1.0	3.3
SSE	1.1	.4	.1									1.6	3.0
S	1.5	2.3	.9	.5								5.3	5.9
SSW	1.3	2.3	1.9	1.7	.4							7.6	8.0
SW	.8	2.2	1.5	1.7	.1							6.2	8.0
WSW	.5	2.0	3.3	2.4	.4							8.7	9.2
W	.8	2.8	4.8	4.5	1.2	.2						14.3	10.1
WNW	.5	2.4	2.4	.9	.3	.2						6.7	8.3
NW	.4	1.4	2.2	1.0								4.9	8.0
NNW	.6	2.0	1.5	.5	.1							4.8	6.7
VARBL													
CALM												4.5	
	15.9	34.2	27.5	14.7	2.6	.5						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

65-70, 74-77
YEARS

DEC
MONTH

1500-1700
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.3	1.2	.3								6.1	4.9
NNE	1.0	1.5	.6	.3								3.4	5.2
NE	1.7	2.7	1.4	.3								6.1	5.2
ENE	2.8	2.5	1.5	.3								7.1	4.7
E	2.3	2.3	.6	.2								5.4	4.3
ESE	.8	.4	.3									1.5	3.9
SE	1.0	.1	.1									1.2	2.8
SSE	1.9	.4	.4									2.8	3.3
S	2.8	3.2	1.3	.2	.1							7.6	4.7
SSW	1.9	2.8	1.4	.6	.1							6.9	5.9
SW	1.4	1.7	2.5	.8								6.3	6.6
WSW	1.8	2.6	3.5	1.6	.3							9.9	7.6
W	1.7	2.4	3.7	3.4	1.3							12.5	9.3
WNW	1.0	2.2	1.9	1.4	.3							6.8	7.9
NW	.5	1.4	1.9	.5								4.4	7.1
NNW	.9	1.4	1.9	.9	.1							5.2	7.7
VARBL													
CALM												6.8	
	25.8	29.8	24.4	11.0	2.3							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATIONSHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME65-70, 74-77
YEARSDEC
MONTHALL WEATHER
CLASS1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	.5	.4	.1							4.5	5.4
NNE	2.8	2.7	.6	.2								6.4	4.2
NE	3.4	2.3	1.1	.1								6.9	4.0
ENE	2.3	1.4	.6									4.3	3.8
E	.9	.3	.3	.1								1.6	4.6
ESE	.8	.2	.3									1.3	3.9
SE	.3		.1	.1								.5	5.2
SSE	.3	.8	.3	.1								1.5	4.9
S	1.2	1.5	.4	.1								3.2	4.3
SSW	3.2	1.6	.3	.1								5.3	3.6
SW	2.3	1.5	.8	.2	.1							4.8	4.8
WSW	2.6	1.7	1.6	.9								5.8	5.8
W	3.2	2.5	4.2	1.8	.2							12.0	7.0
WNW	1.2	2.4	1.0	.2	.2							5.0	5.8
NW	1.5	1.3	.4									3.2	4.0
NNW	.5	1.4	1.1									3.0	5.5
VARBL													
CALM												29.6	
	28.2	23.3	13.8	4.4	.6							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

65-70, 74-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.0	1.1	.1								5.5	5.3
NNE	1.5	2.8	.6	.1								5.1	4.5
NE	2.0	3.1	1.0	.4								6.6	5.0
ENE	1.1	1.0	.6									2.7	4.7
E	.9	1.2	.6									2.7	4.9
ESE	.2	.2	.1									.5	3.8
SE	.2	.4										.6	3.8
SSE	.4	.6	.5	.1								1.7	5.4
S	1.5	1.7	1.3									4.5	5.2
SSW	2.0	1.2	1.1									4.3	4.5
SW	1.6	2.0	.5	.1								4.3	4.4
WSW	1.4	1.3	1.8	.1	.1							4.7	6.1
W	1.7	4.1	3.9	2.2	.2							12.1	7.2
WNW	1.5	1.3	.9	.8								4.4	6.0
NW	1.0	1.4	1.3	.1								3.8	5.5
NNW	.5	.9	1.2									2.6	6.2
VARBL													
CALM												33.8	
	19.0	76.3	16.6	4.0	.3							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMIFR
STATION NAME

65-70, 74-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.4	1.1	.2	.0							5.4	5.2
NNE	1.8	2.8	1.2	.2								5.9	4.9
NE	2.4	3.2	1.7	.5		.0						7.8	5.3
ENE	1.8	2.3	1.4	.4	.0							5.9	5.3
E	1.1	1.3	.8	.1								3.4	5.0
ESE	.6	.3	.2	.0								1.2	3.8
SE	.5	.2	.0	.0								.7	3.3
SSE	.7	.4	.3	.0								1.5	4.1
S	1.6	1.4	.9	.3	.0							4.2	5.2
SSW	2.1	1.8	1.1	.5	.1							5.5	5.5
SW	1.4	1.7	1.2	.7	.0							5.0	6.2
WSW	1.2	1.8	2.2	1.2	.2							6.6	7.5
W	1.7	3.4	3.9	2.4	.5	.1						12.0	8.0
WNW	1.1	2.1	1.5	.6	.2	.0						5.5	6.7
NW	.8	1.5	1.5	.5								4.4	6.6
NNW	.7	1.5	1.1	.2	.0							3.6	6.1
VARBL													
CALM												21.5	
	71.2	78.3	19.9	8.0	1.0	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

7435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

65-70, 74-78
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.0	1.3	.3	.0							5.1	5.5
NNE	1.7	2.4	1.6	.5	.0	.0						6.2	5.7
NE	2.4	3.0	2.1	.6	.0	.0						8.1	5.6
ENE	1.6	2.2	1.6	.4	.0	.0						5.8	5.6
E	1.6	1.9	1.1	.2	.0	.0						4.8	5.1
ESE	.6	.8	.4	.0								2.0	4.4
SE	.7	.6	.3	.0	.0	.0						1.7	4.5
SSE	1.0	.9	.4	.1	.0							2.4	4.6
S	2.0	2.0	1.1	.4	.0	.0		.0				5.5	5.2
SSW	2.3	2.6	1.3	.5	.0	.0						6.8	5.3
SW	1.7	2.4	1.6	.6	.0	.0	.0					6.3	6.0
WSW	1.2	2.2	2.0	.8	.1	.0	.0					6.3	6.8
W	1.5	2.9	2.5	1.2	.2	.0	.0					8.3	7.0
WNW	1.0	1.7	1.0	.4	.1	.0	.0					4.2	6.1
NW	.7	1.2	.7	.2	.0	.0						2.9	5.8
NNW	.8	1.2	.7	.2	.0	.0						2.9	5.6
VARBL													
CALM												20.6	
	22.4	30.0	19.9	6.4	.5	.1	.0	.0				100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

87624

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

65-70, 74-78
YEARS

ALL
MONTH

ALL
HOURS (L.S.T.)

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.9	2.1	.3	.0							7.0	5.7
NNE	1.7	3.0	3.4	1.0	.0	.0						9.1	6.8
NE	2.4	4.9	4.2	1.9	.1	.0						13.4	6.8
ENE	1.9	3.5	2.8	.9	.2	.0						9.3	6.4
E	2.4	2.7	1.8	.5		.0						7.3	5.3
ESE	1.2	1.2	.5	.0								2.8	4.2
SE	1.0	.9	.5	.1								2.5	4.7
SSE	1.0	.9	.5	.1	.0							2.5	5.0
S	1.8	1.3	1.1	.6	.1	.0		.0				4.9	5.9
SSW	1.7	2.1	1.0	.5	.1	.0						5.3	5.7
SW	.9	1.7	1.2	.4	.0							4.2	6.3
WSW	.8	1.6	1.0	.5	.0		.0					3.9	6.4
W	1.0	1.4	1.3	.5	.1							4.3	6.5
WNW	.8	1.0	.6	.2	.0		.0					2.6	5.7
NW	.5	1.0	.7	.1	.0							2.2	5.9
NNW	.8	1.4	.7	.1								3.1	5.2
VARBL													
CALM												15.4	
	21.5	31.4	23.1	7.8	.7	.1	.0	.0				100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

8890

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0							96.9			98.1						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
 For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
 Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
 Visibility ≥ 3 miles = 95.4%.
 Visibility ≥ 2 miles = 96.9%.
 Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS TEST

CEILING, FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	48.3	54.3	55.3	55.7	55.9	55.9	56.1	56.2	56.2	56.3	56.3	56.3	56.4	56.4	56.6	56.6
≥ 20000	49.7	56.2	57.3	57.6	57.8	57.8	58.0	58.1	58.1	58.3	58.3	58.3	58.4	58.4	58.6	58.6
≥ 18000	49.7	56.2	57.3	57.6	57.8	57.8	58.0	58.1	58.1	58.3	58.3	58.3	58.4	58.4	58.6	58.6
≥ 16000	49.9	56.4	57.5	57.8	58.0	58.0	58.3	58.4	58.4	58.5	58.5	58.5	58.6	58.6	58.8	58.8
≥ 14000	50.3	57.1	58.1	58.5	58.7	58.7	58.9	59.0	59.0	59.1	59.1	59.1	59.2	59.2	59.4	59.4
≥ 12000	52.2	59.5	60.6	60.9	61.2	61.2	61.4	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.9	61.9
≥ 10000	53.8	61.5	62.6	63.0	63.2	63.2	63.4	63.5	63.5	63.6	63.6	63.6	63.8	63.8	64.0	64.0
≥ 9000	54.0	61.7	62.8	63.2	63.4	63.4	63.6	63.8	63.8	63.9	63.9	63.9	64.0	64.0	64.2	64.2
≥ 8000	54.9	62.8	63.9	64.3	64.5	64.5	64.7	64.8	64.8	64.9	64.9	64.9	65.0	65.0	65.3	65.3
≥ 7000	55.7	63.5	64.6	65.0	65.3	65.3	65.6	65.7	65.8	65.8	65.8	65.8	65.9	65.9	66.1	66.1
≥ 6000	58.1	66.2	67.3	68.0	68.2	68.2	68.5	68.6	68.6	68.7	68.7	68.7	68.8	68.8	69.0	69.0
≥ 5000	59.2	67.7	68.9	69.6	69.8	69.8	70.1	70.2	70.2	70.3	70.3	70.3	70.4	70.4	70.7	70.7
≥ 4500	60.3	68.8	70.1	70.8	71.3	71.3	71.6	71.7	71.7	71.8	71.8	71.8	72.0	72.0	72.2	72.2
≥ 4000	60.9	69.9	71.2	72.0	72.5	72.5	72.8	72.9	72.9	73.0	73.0	73.0	73.1	73.1	73.4	73.4
≥ 3500	61.2	70.2	71.5	72.3	72.8	72.8	73.1	73.2	73.2	73.4	73.4	73.4	73.5	73.5	73.7	73.7
≥ 3000	61.8	71.4	72.8	73.7	74.2	74.2	74.5	74.8	74.8	74.9	74.9	74.9	75.0	75.1	75.3	75.3
≥ 2500	62.2	72.6	74.0	74.9	75.4	75.4	75.7	75.9	75.9	76.1	76.1	76.1	76.2	76.3	76.5	76.5
≥ 2000	62.6	73.2	74.8	75.6	76.3	76.3	76.6	76.8	76.8	76.9	76.9	76.9	77.0	77.1	77.3	77.3
≥ 1800	62.8	73.5	75.0	75.8	76.5	76.5	76.8	77.0	77.0	77.1	77.1	77.1	77.2	77.3	77.6	77.6
≥ 1500	63.5	74.3	76.1	77.1	77.8	77.8	78.1	78.3	78.3	78.4	78.4	78.4	78.5	78.6	78.9	78.9
≥ 1200	64.1	75.5	77.7	78.9	79.6	79.6	79.9	80.2	80.2	80.3	80.3	80.3	80.4	80.5	80.7	80.7
≥ 1000	64.6	76.7	79.2	80.6	81.4	81.4	82.1	82.3	82.3	82.4	82.4	82.4	82.5	82.6	82.8	82.8
≥ 900	65.5	77.9	80.8	82.2	83.1	83.1	83.7	83.9	83.9	84.0	84.0	84.0	84.1	84.3	84.5	84.5
≥ 800	66.0	78.6	81.9	83.3	84.8	84.8	85.5	85.8	85.8	85.9	85.9	85.9	86.0	86.1	86.3	86.3
≥ 700	66.2	79.0	82.5	84.1	86.0	86.4	87.3	87.6	87.6	87.7	87.7	87.7	87.8	87.9	88.1	88.1
≥ 600	66.5	79.5	83.2	85.3	87.8	88.7	89.6	90.0	90.0	90.1	90.1	90.1	90.2	90.3	90.5	90.5
≥ 500	66.8	79.8	83.9	86.0	89.1	90.4	91.4	91.7	91.7	91.8	91.8	91.8	91.9	92.0	92.2	92.2
≥ 400	66.8	79.9	84.1	86.2	90.2	91.7	92.9	93.4	93.4	93.5	93.5	93.5	93.6	93.7	94.0	94.0
≥ 300	66.8	79.9	84.1	86.3	90.8	92.3	93.7	94.4	94.4	94.7	94.7	94.7	94.8	94.9	95.1	95.1
≥ 200	66.8	79.9	84.1	86.3	90.8	92.6	94.2	95.3	95.3	95.7	95.9	95.9	96.1	96.3	97.2	97.2
≥ 100	66.8	79.9	84.1	86.3	90.8	92.7	94.3	95.4	95.7	96.1	96.4	96.4	96.7	97.0	98.2	99.1
≥ 0	66.8	79.9	84.1	86.3	90.8	92.7	94.3	95.4	95.7	96.1	96.4	96.4	96.7	97.0	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS OF DAY

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	46.7	53.0	54.2	54.3	54.6	54.6	54.6	54.6	54.6	54.8	54.8	54.8	54.8	54.9	55.2	55.4
≥ 20000	48.0	54.7	55.9	56.0	56.3	56.3	56.3	56.3	56.3	56.6	56.6	56.6	56.6	56.7	57.1	57.3
≥ 18000	48.0	54.7	55.9	56.0	56.3	56.3	56.3	56.3	56.3	56.6	56.6	56.6	56.6	56.7	57.1	57.3
≥ 16000	48.5	55.2	56.4	56.5	56.9	56.9	56.9	56.9	56.9	57.2	57.2	57.2	57.2	57.3	57.6	57.8
≥ 14000	48.5	55.3	56.5	56.6	57.0	57.0	57.0	57.0	57.0	57.3	57.3	57.3	57.3	57.4	57.7	57.9
≥ 12000	49.9	56.7	57.9	58.0	58.4	58.4	58.4	58.4	58.4	58.7	58.7	58.7	58.7	58.8	59.1	59.3
≥ 10000	52.3	59.2	60.4	60.5	60.8	60.8	60.8	60.8	60.8	61.2	61.2	61.2	61.2	61.3	61.6	61.8
≥ 9000	52.4	59.3	60.5	60.6	60.9	60.9	60.9	60.9	60.9	61.3	61.3	61.3	61.3	61.4	61.7	61.9
≥ 8000	53.8	60.9	62.1	62.2	62.6	62.6	62.6	62.6	62.6	62.9	62.9	62.9	62.9	63.0	63.3	63.5
≥ 7000	54.9	62.0	63.2	63.3	63.6	63.6	63.6	63.6	63.6	64.0	64.0	64.0	64.0	64.1	64.4	64.6
≥ 6000	57.4	64.8	66.2	66.3	66.7	66.7	66.7	66.8	66.8	67.1	67.1	67.1	67.1	67.2	67.5	67.7
≥ 5000	58.0	65.7	67.1	67.2	67.6	67.6	67.6	67.7	67.7	68.1	68.1	68.1	68.1	68.2	68.5	68.7
≥ 4500	58.5	66.1	67.5	67.6	68.2	68.2	68.2	68.3	68.3	68.6	68.6	68.6	68.6	68.7	69.0	69.3
≥ 4000	59.3	67.0	68.4	68.5	69.0	69.0	69.0	69.1	69.1	69.5	69.5	69.5	69.5	69.6	69.9	70.1
≥ 3500	59.5	67.3	68.7	68.8	69.6	69.6	69.6	69.7	69.7	70.0	70.0	70.0	70.0	70.1	70.4	70.7
≥ 3000	60.5	68.3	70.0	70.1	70.9	70.9	70.9	71.0	71.0	71.3	71.3	71.3	71.3	71.4	71.7	72.0
≥ 2500	60.7	68.9	70.7	71.0	71.7	71.7	71.7	71.8	71.8	72.2	72.2	72.2	72.2	72.3	72.6	72.8
≥ 2000	61.8	70.4	72.5	73.0	73.8	73.8	73.8	73.9	74.0	74.3	74.3	74.3	74.3	74.4	74.8	75.0
≥ 1800	61.9	70.6	72.8	73.4	74.1	74.1	74.1	74.2	74.3	74.6	74.6	74.6	74.6	74.6	74.8	75.3
≥ 1500	62.4	71.1	73.6	74.1	74.9	74.9	74.9	75.0	75.1	75.4	75.4	75.4	75.4	75.5	75.8	76.1
≥ 1200	63.8	72.8	75.3	75.8	76.7	76.7	76.7	76.8	76.9	77.2	77.2	77.2	77.2	77.3	77.7	77.9
≥ 1000	64.4	74.5	77.6	78.1	79.2	79.2	79.3	79.4	79.5	79.9	79.9	79.9	79.9	80.0	80.4	80.6
≥ 900	65.0	75.5	78.6	79.3	80.4	80.4	80.5	80.6	80.7	81.1	81.1	81.1	81.1	81.2	81.6	81.8
≥ 800	65.5	76.3	79.6	80.4	81.4	81.4	81.7	81.8	82.0	82.4	82.4	82.4	82.4	82.5	82.8	83.1
≥ 700	65.6	76.7	80.5	81.8	83.1	83.3	83.5	83.6	83.8	84.4	84.4	84.4	84.4	84.5	84.8	85.0
≥ 600	65.6	76.8	80.7	82.5	84.1	84.5	84.7	84.9	85.1	85.7	85.7	85.7	85.7	85.8	86.1	86.3
≥ 500	65.9	77.2	81.7	84.5	86.8	87.7	88.3	88.8	89.1	89.6	89.6	89.6	89.6	89.8	90.1	90.3
≥ 400	66.1	77.5	81.9	84.9	87.8	88.7	90.5	90.9	91.3	91.8	91.8	91.8	91.8	91.9	92.2	92.4
≥ 300	66.1	77.5	81.9	85.0	89.0	90.3	92.9	93.4	93.7	94.3	94.5	94.5	94.5	94.6	94.9	95.1
≥ 200	66.1	77.5	81.9	85.0	89.0	90.4	93.6	94.3	94.6	95.5	95.9	95.9	95.9	96.2	96.3	97.1
≥ 100	66.1	77.5	81.9	85.0	89.0	90.5	93.9	94.5	94.8	95.8	96.2	96.2	96.2	96.8	96.9	97.8
≥ 0	66.1	77.5	81.9	85.0	89.0	90.5	93.9	94.5	94.8	95.8	96.2	96.2	96.2	96.9	97.0	98.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING ≥ 20000	37.4	48.0	49.2	49.9	50.2	50.3	50.8	50.8	50.8	51.0	51.0	51.0	51.2	51.5	51.5	51.6
≥ 18000	39.1	49.5	50.7	51.5	51.7	51.8	52.3	52.3	52.3	52.6	52.6	52.6	52.9	53.2	53.2	53.3
≥ 16000	39.2	49.6	50.8	51.6	51.8	51.9	52.4	52.4	52.4	52.7	52.7	52.7	53.0	53.3	53.3	53.4
≥ 14000	39.2	49.6	50.8	51.6	51.8	51.9	52.4	52.4	52.4	52.7	52.7	52.7	53.0	53.3	53.3	53.4
≥ 12000	40.9	51.8	53.0	53.7	53.9	54.0	54.6	54.6	54.6	54.9	54.9	54.9	55.1	55.4	55.4	55.5
≥ 10000	43.3	54.5	55.7	56.5	56.7	56.8	57.4	57.4	57.4	57.7	57.7	57.7	57.9	58.2	58.2	58.3
≥ 9000	43.3	54.5	55.7	56.5	56.7	56.8	57.4	57.4	57.4	57.7	57.7	57.7	57.9	58.2	58.2	58.3
≥ 8000	44.7	56.1	57.6	58.6	58.8	58.9	59.6	59.6	59.6	60.0	60.0	60.0	60.2	60.5	60.5	60.6
≥ 7000	45.4	56.6	58.4	59.6	59.8	60.0	60.7	60.7	60.7	61.0	61.0	61.0	61.2	61.6	61.6	61.7
≥ 6000	47.7	59.5	61.2	62.4	62.6	62.9	63.6	63.6	63.6	63.9	63.9	63.9	64.2	64.5	64.5	64.6
≥ 5000	49.1	61.1	62.9	64.2	64.6	64.7	65.4	65.4	65.4	65.8	65.8	65.8	66.0	66.3	66.3	66.4
≥ 4500	49.6	61.7	63.4	64.7	65.2	65.3	66.1	66.1	66.1	66.4	66.4	66.4	66.6	67.0	67.0	67.1
≥ 4000	50.9	63.7	65.7	67.0	67.5	67.6	68.4	68.4	68.4	68.7	68.7	68.7	68.9	69.2	69.2	69.3
≥ 3500	51.6	64.7	66.6	68.0	68.6	68.7	69.4	69.4	69.4	69.8	69.8	69.8	70.0	70.3	70.3	70.4
≥ 3000	52.3	65.7	68.0	69.5	70.2	70.3	71.2	71.2	71.2	71.6	71.6	71.6	71.8	72.1	72.1	72.2
≥ 2500	52.3	65.8	68.1	69.8	70.4	70.5	71.4	71.4	71.5	71.8	71.8	71.8	72.0	72.3	72.3	72.4
≥ 2000	53.1	67.2	69.8	71.5	72.1	72.3	73.2	73.2	73.2	73.6	73.6	73.6	73.8	74.2	74.2	74.4
≥ 1800	53.3	67.6	70.2	71.9	72.6	72.8	73.6	73.7	73.7	74.1	74.1	74.1	74.3	74.6	74.7	74.8
≥ 1500	53.7	68.0	70.6	72.4	73.2	73.4	74.3	74.4	74.4	74.7	74.7	74.7	74.9	75.2	75.3	75.5
≥ 1200	54.8	69.3	72.0	74.0	74.9	75.1	76.0	76.1	76.1	76.4	76.4	76.4	76.6	77.0	77.1	77.2
≥ 1000	54.9	70.5	73.6	75.8	76.9	77.1	77.9	78.0	78.0	78.4	78.4	78.4	78.7	79.0	79.1	79.2
≥ 900	55.0	71.2	74.3	76.9	77.9	78.1	79.0	79.1	79.1	79.4	79.4	79.4	79.8	80.1	80.2	80.3
≥ 800	55.3	72.0	75.1	77.8	78.9	79.1	80.3	80.4	80.4	80.7	80.7	80.7	81.1	81.4	81.5	81.6
≥ 700	55.3	72.3	76.0	79.0	80.6	80.9	82.2	82.3	82.3	82.7	82.7	82.7	83.0	83.3	83.4	83.5
≥ 600	55.3	72.4	76.2	79.9	81.8	82.2	83.5	83.6	83.6	84.0	84.0	84.0	84.3	84.6	84.7	84.8
≥ 500	55.3	72.7	76.6	81.2	83.7	84.4	86.2	86.4	86.4	86.8	86.9	86.9	87.2	87.5	87.6	87.7
≥ 400	55.3	72.7	76.7	81.6	84.7	85.4	88.2	88.8	88.8	89.1	89.3	89.3	89.7	90.0	90.2	90.3
≥ 300	55.3	72.7	76.7	81.9	85.5	86.9	91.0	91.8	91.9	92.5	92.8	92.9	93.2	93.5	93.9	94.0
≥ 200	55.3	72.8	76.9	82.0	85.7	87.1	91.4	92.6	93.0	94.0	95.2	95.3	96.1	96.4	97.0	97.4
≥ 100	55.3	72.8	76.9	82.0	85.7	87.1	91.5	92.9	93.4	94.5	95.7	95.8	96.7	97.3	98.1	99.4
≥ "	55.3	72.8	76.9	82.0	85.7	87.1	91.5	92.9	93.4	94.5	95.7	95.8	96.7	97.3	98.31	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01	≥ 0
NO CEILING	34.6	47.7	48.5	49.1	49.2	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.7	49.7	49.7	49.7
≥ 20000	36.1	49.9	50.6	51.4	51.5	51.7	51.7	51.7	51.7	51.8	51.9	51.9	52.0	52.0	52.0	52.0
≥ 18000	36.1	49.9	50.6	51.4	51.5	51.7	51.7	51.7	51.7	51.8	51.9	51.9	52.0	52.0	52.0	52.0
≥ 16000	36.2	50.0	50.8	51.5	51.6	51.8	51.8	51.8	51.8	51.9	52.0	52.0	52.2	52.2	52.2	52.2
≥ 14000	37.0	50.8	51.5	52.3	52.4	52.6	52.6	52.6	52.6	52.7	52.8	52.8	52.9	52.9	52.9	52.9
≥ 12000	38.7	52.6	53.3	54.1	54.2	54.4	54.4	54.4	54.4	54.5	54.6	54.6	54.7	54.7	54.7	54.7
≥ 10000	40.9	55.4	56.1	57.0	57.2	57.4	57.4	57.4	57.4	57.5	57.6	57.6	57.7	57.7	57.7	57.7
≥ 9000	41.4	55.9	56.7	57.5	57.7	58.0	58.0	58.0	58.0	58.1	58.2	58.2	58.3	58.3	58.3	58.3
≥ 8000	42.4	58.0	58.8	59.7	60.0	60.2	60.2	60.2	60.2	60.3	60.4	60.4	60.5	60.5	60.5	60.5
≥ 7000	43.2	59.0	60.1	61.1	61.5	61.7	61.8	61.8	61.8	61.9	62.0	62.0	62.2	62.2	62.2	62.2
≥ 6000	44.0	60.5	61.6	62.7	63.2	63.4	63.5	63.5	63.5	63.7	63.8	63.8	63.9	63.9	63.9	63.9
≥ 5000	44.4	61.2	62.3	63.5	64.1	64.3	64.4	64.4	64.4	64.6	64.7	64.7	64.8	64.8	64.8	64.8
≥ 4500	45.7	62.8	64.0	65.4	65.9	66.1	66.2	66.2	66.2	66.5	66.6	66.6	66.7	66.7	66.7	66.7
≥ 4000	46.0	63.7	65.1	66.6	67.1	67.3	67.4	67.4	67.4	67.6	67.7	67.7	67.8	67.8	67.8	67.8
≥ 3500	46.5	64.5	66.0	67.5	68.1	68.3	68.4	68.4	68.4	68.6	68.7	68.7	68.8	68.8	68.8	68.8
≥ 3000	46.7	65.6	67.2	68.7	69.6	69.8	70.0	70.0	70.0	70.3	70.4	70.4	70.5	70.5	70.5	70.5
≥ 2500	47.6	66.9	68.6	70.1	71.0	71.4	71.6	71.6	71.6	71.9	72.0	72.0	72.2	72.2	72.2	72.2
≥ 2000	48.2	68.0	69.7	71.2	72.2	72.6	72.8	72.8	72.8	73.1	73.2	73.2	73.3	73.3	73.3	73.3
≥ 1800	48.6	68.5	70.3	71.8	72.8	73.2	73.4	73.4	73.4	73.8	73.9	73.9	74.0	74.0	74.0	74.0
≥ 1500	49.0	69.7	71.5	73.1	74.2	74.6	74.8	74.8	74.8	75.2	75.3	75.3	75.4	75.4	75.4	75.4
≥ 1200	49.5	70.8	73.0	74.8	76.1	76.8	77.1	77.1	77.1	77.4	77.5	77.5	77.6	77.6	77.6	77.6
≥ 1000	49.6	72.0	74.4	76.5	77.8	78.6	78.9	79.0	79.0	79.5	79.7	79.7	79.8	79.8	79.8	79.8
≥ 900	49.6	72.4	74.9	77.2	78.6	79.4	79.9	80.0	80.0	80.4	80.6	80.6	80.8	80.8	80.8	80.8
≥ 800	49.6	73.0	75.9	78.4	79.9	80.8	81.3	81.4	81.4	81.8	82.0	82.0	82.2	82.2	82.2	82.2
≥ 700	49.8	74.1	77.2	80.4	82.4	83.7	84.4	84.6	84.6	85.1	85.4	85.4	85.6	85.7	85.7	85.7
≥ 600	49.8	74.2	77.6	81.4	83.7	84.9	85.9	86.3	86.3	86.8	87.1	87.1	87.3	87.4	87.4	87.4
≥ 500	49.8	74.3	77.8	82.5	85.6	87.3	89.1	89.8	89.8	90.2	90.5	90.5	90.9	91.0	91.0	91.0
≥ 400	49.8	74.5	78.1	82.7	86.8	88.8	91.0	92.5	92.7	93.7	94.0	94.0	94.3	94.4	94.4	94.4
≥ 300	49.8	74.5	78.1	82.8	87.2	89.5	91.7	93.9	94.1	95.6	96.5	96.6	96.9	97.0	97.1	97.1
≥ 200	49.8	74.5	78.1	82.8	87.2	89.5	91.8	94.1	94.3	95.9	96.9	97.0	97.6	98.0	98.4	98.8
≥ 100	49.8	74.5	78.1	82.8	87.2	89.5	91.8	94.1	94.3	95.9	96.9	97.0	97.7	98.2	98.8	99.9
≥ 0	49.8	74.5	78.1	82.8	87.2	89.5	91.8	94.1	94.3	95.9	96.9	97.0	97.7	98.2	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70,74-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS U.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	43.8	51.6	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 20000	46.8	55.8	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 18000	46.8	55.8	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 16000	46.9	55.9	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 14000	47.8	56.9	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	48.8	57.8	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 10000	51.5	60.8	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 9000	51.9	61.5	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 8000	53.1	63.3	64.0	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 7000	53.4	63.8	64.6	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 6000	54.6	65.4	66.2	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 5000	55.1	66.0	66.9	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 4500	55.3	66.3	67.2	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 4000	56.0	67.7	68.7	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	56.2	68.4	69.6	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 3000	57.5	70.2	71.5	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 2500	58.0	71.0	72.4	73.8	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2000	58.7	72.4	74.1	75.6	76.0	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 1800	58.9	72.9	74.6	76.1	76.7	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 1500	59.5	74.4	76.2	78.0	78.5	78.7	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 1200	60.0	76.9	78.8	80.6	81.3	81.6	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1000	60.3	78.0	81.1	83.3	84.0	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 900	60.3	79.2	81.9	84.3	85.1	85.5	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 800	60.4	79.9	82.1	85.7	86.5	86.9	87.0	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 700	60.4	80.4	84.0	87.4	88.6	89.5	89.9	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 600	60.4	80.8	85.3	88.4	90.0	90.9	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 500	60.4	80.9	85.5	88.8	91.1	92.0	93.1	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 400	60.4	81.0	85.6	89.2	92.0	93.2	94.4	95.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300	60.4	81.0	85.8	89.6	92.7	93.9	95.1	96.3	96.7	97.2	97.6	97.6	97.8	97.8	98.0	98.0
≥ 200	60.4	81.0	85.8	89.6	92.7	93.9	95.1	96.7	97.2	97.7	98.3	98.4	98.8	98.8	99.4	99.5
≥ 100	60.4	81.0	85.8	89.6	92.7	93.9	95.1	96.7	97.2	97.8	98.4	98.5	99.2	99.4	99.9	100.0
≥ 0	60.4	81.0	85.8	89.6	92.7	93.9	95.1	96.7	97.2	97.8	98.4	98.5	99.2	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTR

66-70, 74-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	44.3	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 20000	48.5	57.1	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 18000	48.6	57.2	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 16000	48.9	57.6	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	50.1	58.8	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 12000	51.0	59.9	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 10000	53.1	63.0	63.1	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 9000	53.2	63.2	63.3	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 8000	54.8	65.7	65.9	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 7000	55.1	66.0	66.2	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 6000	55.8	67.1	67.3	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 5000	56.9	69.1	69.4	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 4500	57.0	69.2	69.5	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4000	58.5	71.4	71.6	71.9	72.2	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 3500	58.7	72.3	72.5	72.8	73.1	73.1	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 3000	59.7	74.3	74.8	75.4	75.7	75.7	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500	60.9	76.0	77.1	77.7	78.2	78.3	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2000	61.7	78.1	79.5	80.5	81.0	81.1	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1800	61.8	78.5	80.0	81.1	81.6	81.7	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1500	62.2	79.0	80.6	81.8	82.4	82.5	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1200	62.5	80.9	82.8	84.5	85.3	85.4	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1000	62.5	81.9	84.4	86.2	87.0	87.1	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 900	62.6	82.2	84.6	86.5	87.5	87.6	87.8	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 800	62.6	82.2	85.1	87.1	88.4	88.6	88.9	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 700	62.6	82.7	85.6	88.4	90.1	90.3	90.9	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 600	62.6	83.1	86.2	89.2	91.4	91.7	92.4	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 500	62.6	83.3	87.1	90.8	93.4	94.0	94.7	95.2	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 400	62.6	83.4	87.2	91.1	94.2	94.7	95.6	96.1	96.7	96.8	96.8	96.8	96.8	97.0	97.0	97.0
≥ 300	62.6	83.4	87.2	91.3	94.4	95.1	96.0	96.8	97.4	97.8	98.1	98.1	98.6	98.6	98.6	98.6
≥ 200	62.6	83.4	87.2	91.3	94.4	95.2	96.1	97.0	97.6	98.1	98.5	98.5	99.4	99.6	99.6	99.6
≥ 100	62.6	83.4	87.2	91.3	94.4	95.2	96.1	97.0	97.6	98.1	98.5	98.5	99.4	99.6	99.6	99.9
≥ 0	62.6	83.4	87.2	91.3	94.4	95.2	96.1	97.0	97.6	98.1	98.5	98.5	99.4	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC

FORM 1-64

J-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70,74-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01	≥ 0.005
NO CEILING	48.8	56.9	57.2	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 20000	51.8	60.8	61.1	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 18000	51.9	60.9	61.2	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 16000	52.0	61.0	61.3	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	52.7	61.7	62.0	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 12000	53.8	63.3	63.7	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 10000	55.1	65.3	65.6	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 9000	55.3	65.6	65.9	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 8000	57.1	68.2	68.6	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	57.8	68.9	69.4	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 6000	58.7	70.2	70.8	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 5000	60.1	72.5	73.1	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4500	61.0	73.4	74.2	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 4000	61.8	74.5	75.5	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3500	62.6	75.4	76.3	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3000	63.2	76.3	77.3	77.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500	63.5	77.7	79.0	79.6	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 2000	64.4	79.7	81.5	82.0	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1800	64.4	80.1	81.9	82.5	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1600	64.8	80.8	82.8	83.5	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1400	64.9	81.4	83.7	84.7	85.6	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1200	65.8	82.7	85.1	86.2	87.1	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1000	66.0	83.2	85.7	86.9	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 900	66.0	83.5	86.6	88.0	88.9	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 800	66.1	83.9	87.3	88.9	90.2	90.6	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 700	66.3	84.3	87.8	89.6	91.5	91.9	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 600	66.3	84.4	88.3	90.0	92.0	92.6	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 500	66.3	84.4	88.6	90.4	93.1	93.7	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 400	66.3	84.4	88.6	90.6	94.4	95.3	96.0	96.5	96.5	97.0	97.2	97.2	97.3	97.3	97.3	97.3
≥ 300	66.3	84.4	88.6	90.6	94.4	95.3	96.7	97.1	97.3	98.0	98.4	98.4	98.6	98.6	98.7	98.7
≥ 200	66.3	84.4	88.6	90.8	94.5	95.4	96.8	97.6	97.8	98.6	99.0	99.0	99.4	99.4	99.5	99.6
≥ 100	66.3	84.4	88.6	90.8	94.5	95.4	96.8	97.6	97.8	98.6	99.0	99.0	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF-ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	50.1	57.7	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.4	59.4	59.4	59.4	59.4
≥ 20000	51.4	59.2	60.5	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9
≥ 18000	51.4	59.2	60.5	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9
≥ 16000	51.4	59.2	60.5	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9
≥ 14000	51.5	59.4	60.6	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0
≥ 12000	52.6	61.3	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0
≥ 10000	54.1	63.5	64.9	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3
≥ 9000	54.5	64.0	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7
≥ 8000	55.6	65.8	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5
≥ 7000	56.9	67.1	68.5	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9
≥ 6000	58.2	69.4	70.8	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2
≥ 5000	59.7	71.4	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3
≥ 4500	61.0	72.7	74.2	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6
≥ 4000	61.8	73.8	75.4	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8
≥ 3500	62.6	74.7	76.3	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2
≥ 3000	63.2	75.9	77.6	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8
≥ 2500	63.7	76.7	78.5	78.9	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8
≥ 2000	64.3	77.8	79.8	80.3	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2
≥ 1800	64.7	78.4	80.5	81.1	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9
≥ 1500	65.3	79.5	82.0	82.7	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5
≥ 1200	65.7	80.0	82.6	83.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4
≥ 1000	66.2	81.1	84.0	84.8	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.5
≥ 900	66.5	82.4	85.5	86.3	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2
≥ 800	66.9	83.0	86.5	87.4	88.8	89.1	89.2	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4
≥ 700	66.9	83.2	87.5	88.9	91.0	91.4	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6
≥ 600	66.9	83.3	88.2	89.6	91.9	92.4	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8
≥ 500	67.3	83.8	88.6	90.0	93.0	93.5	93.9	93.9	93.9	93.9	93.9	94.0	94.1	94.1	94.1	94.1
≥ 400	67.3	83.9	88.7	90.6	94.1	95.1	95.4	95.5	95.5	95.5	95.5	95.6	95.7	95.7	95.7	95.7
≥ 300	67.3	84.0	88.8	90.9	94.6	95.7	96.2	96.6	96.6	96.6	96.6	96.7	96.8	96.8	96.8	96.8
≥ 200	67.3	84.0	88.9	91.0	94.7	96.0	97.0	97.3	97.4	97.4	97.4	97.7	97.8	97.8	97.8	97.8
≥ 100	67.3	84.0	88.9	91.0	94.7	96.0	97.0	97.4	97.6	97.6	97.6	98.3	98.5	98.5	98.5	98.5
≥ 0	67.3	84.0	88.9	91.0	94.7	96.0	97.0	97.4	97.6	97.6	97.6	98.3	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 930

USAF-ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13049

SHAW AFB SOUTH CAROLINA/SUMTER

66-70,74-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING ≥ 20000	44.3	52.7	53.5	53.8	53.9	54.0	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.3	54.3	54.4
≥ 18000	46.4	55.4	56.1	56.5	56.7	56.7	56.8	56.8	56.8	56.9	57.0	57.0	57.0	57.1	57.1	57.2
≥ 16000	46.5	55.4	56.2	56.6	56.7	56.7	56.8	56.9	56.9	57.0	57.0	57.0	57.0	57.1	57.2	57.2
≥ 14000	46.6	55.6	56.4	56.8	56.9	56.9	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.3	57.4	57.4
≥ 12000	47.1	56.2	57.0	57.3	57.5	57.5	57.6	57.6	57.6	57.7	57.8	57.8	57.8	57.9	57.9	58.0
≥ 10000	48.5	57.9	58.7	59.0	59.2	59.2	59.3	59.3	59.3	59.4	59.5	59.5	59.5	59.6	59.6	59.7
≥ 9000	50.5	60.4	61.2	61.6	61.8	61.8	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.1	62.2	62.3
≥ 8000	50.8	60.7	61.5	61.9	62.1	62.1	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.5	62.6	62.6
≥ 7000	52.1	62.6	63.5	63.9	64.1	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.5	64.6	64.7
≥ 6000	52.8	63.4	64.4	64.9	65.1	65.1	65.2	65.3	65.3	65.4	65.4	65.4	65.4	65.5	65.6	65.7
≥ 5000	54.3	65.4	66.4	67.0	67.2	67.3	67.4	67.4	67.4	67.6	67.6	67.6	67.6	67.7	67.8	67.8
≥ 4500	55.3	66.9	67.9	68.5	68.8	68.8	69.0	69.0	69.0	69.1	69.2	69.2	69.2	69.3	69.3	69.4
≥ 4000	56.0	67.6	68.8	69.4	69.7	69.7	69.9	69.9	69.9	70.0	70.1	70.1	70.1	70.2	70.2	70.3
≥ 3500	56.9	69.0	70.2	70.8	71.2	71.2	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.7	71.8	71.8
≥ 3000	57.4	69.7	71.0	71.7	72.1	72.2	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.6	72.7	72.7
≥ 2500	58.1	71.0	72.4	73.2	73.8	73.8	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.3	74.4	74.5
≥ 2000	58.6	71.9	73.6	74.5	75.1	75.2	75.4	75.4	75.4	75.6	75.6	75.6	75.6	75.7	75.8	75.9
≥ 1800	59.3	73.3	75.2	76.2	76.9	77.0	77.2	77.3	77.3	77.4	77.5	77.5	77.5	77.6	77.7	77.7
≥ 1500	59.6	73.8	75.7	76.7	77.4	77.5	77.7	77.8	77.8	77.9	78.0	78.0	78.0	78.1	78.2	78.2
≥ 1200	60.0	74.6	76.7	77.9	78.6	78.7	78.9	79.0	79.0	79.2	79.2	79.2	79.2	79.3	79.4	79.4
≥ 1000	60.6	75.9	78.2	79.6	80.5	80.7	80.9	81.0	81.0	81.2	81.2	81.2	81.2	81.3	81.4	81.5
≥ 900	61.0	77.3	79.9	81.4	82.4	82.7	83.0	83.1	83.1	83.3	83.3	83.3	83.3	83.4	83.5	83.6
≥ 800	61.3	78.0	80.8	82.4	83.5	83.8	84.1	84.2	84.2	84.4	84.4	84.5	84.5	84.6	84.7	84.7
≥ 700	61.5	78.6	81.7	83.5	84.7	85.0	85.5	85.6	85.6	85.8	85.9	85.9	85.9	86.0	86.1	86.1
≥ 600	61.6	79.0	82.7	84.9	86.5	87.0	87.6	87.8	87.8	88.0	88.1	88.1	88.1	88.2	88.3	88.4
≥ 500	61.7	79.3	83.2	85.7	87.8	88.4	89.1	89.3	89.4	89.6	89.7	89.7	89.7	89.8	89.9	90.0
≥ 400	61.8	79.6	83.7	86.7	89.4	90.2	91.3	91.6	91.7	91.9	92.0	92.0	92.1	92.1	92.2	92.3
≥ 300	61.9	79.7	83.9	87.1	90.4	91.4	92.9	93.5	93.7	94.0	94.1	94.1	94.2	94.3	94.4	94.4
≥ 200	61.8	79.7	83.9	87.3	91.0	92.3	94.1	95.0	95.2	95.7	96.0	96.0	96.2	96.3	96.5	96.5
≥ 100	61.6	79.7	83.9	87.3	91.1	92.5	94.5	95.5	95.8	96.6	97.1	97.1	97.6	97.8	98.2	98.4
≥ 0	61.8	79.7	83.9	87.3	91.1	92.5	94.6	95.7	96.1	96.9	97.5	97.5	98.0	98.3	98.9	99.6
≥ 0	61.8	79.7	83.9	87.3	91.1	92.5	94.6	95.7	96.1	96.9	97.5	97.5	98.0	98.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7433

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

13842 SHAW AFB SOUTH CAROLINA/SUMTER

66-70,74-78

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	53.7	65.0	67.4	68.0	68.0	68.0	68.1	68.2	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.4
≥ 20000	54.8	67.4	69.7	70.3	70.3	70.3	70.4	70.6	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8
≥ 18000	54.8	67.4	69.7	70.3	70.3	70.3	70.4	70.6	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8
≥ 16000	54.8	67.4	69.7	70.3	70.3	70.3	70.4	70.6	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8
≥ 14000	54.8	67.4	70.0	70.6	70.6	70.6	70.7	70.8	70.8	70.8	70.8	71.0	71.0	71.0	71.0	71.0
≥ 12000	56.4	69.3	71.6	72.2	72.2	72.2	72.3	72.5	72.5	72.5	72.5	72.7	72.7	72.7	72.7	72.7
≥ 10000	58.0	72.0	74.7	75.3	75.3	75.3	75.4	75.5	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8
≥ 9000	58.0	72.3	75.1	75.7	75.7	75.7	75.8	75.9	75.9	75.9	75.9	76.1	76.1	76.1	76.1	76.1
≥ 8000	59.9	74.5	77.2	77.8	77.9	77.9	78.0	78.1	78.1	78.1	78.1	78.4	78.4	78.4	78.4	78.4
≥ 7000	61.1	76.0	78.7	79.3	79.4	79.4	79.6	79.7	79.7	79.7	79.7	79.9	79.9	79.9	79.9	79.9
≥ 6000	62.2	77.2	80.1	80.7	81.1	81.1	81.3	81.4	81.4	81.4	81.4	81.7	81.7	81.7	81.7	81.7
≥ 5000	63.2	78.3	81.3	81.9	82.4	82.5	82.7	82.9	82.9	82.9	82.9	83.1	83.1	83.1	83.1	83.1
≥ 4500	63.7	79.2	82.3	83.0	83.6	83.7	83.9	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3
≥ 4000	64.2	79.9	83.0	83.7	84.4	84.7	84.8	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1
≥ 3500	64.5	81.0	84.2	85.0	85.7	85.8	86.1	86.2	86.2	86.2	86.2	86.4	86.4	86.4	86.4	86.4
≥ 3000	64.7	81.9	85.1	85.9	86.6	86.8	87.0	87.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4
≥ 2500	65.4	82.6	85.8	86.6	87.6	87.7	87.9	88.1	88.1	88.1	88.1	88.3	88.3	88.3	88.3	88.3
≥ 2000	65.4	83.0	86.5	87.5	88.4	88.5	88.8	88.9	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.1
≥ 1800	65.8	83.5	87.1	88.1	89.1	89.2	89.5	89.6	89.6	89.6	89.6	89.8	89.8	89.8	89.8	89.8
≥ 1500	65.8	83.9	87.8	88.9	90.0	90.2	90.5	90.7	90.7	90.7	90.7	90.9	90.9	90.9	90.9	90.9
≥ 1200	66.0	84.4	88.3	89.5	90.7	90.9	91.3	91.4	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6
≥ 1000	66.0	84.6	88.9	90.1	91.3	91.5	92.0	92.1	92.1	92.1	92.1	92.3	92.3	92.3	92.3	92.3
≥ 900	66.1	85.1	89.8	91.0	92.4	92.7	93.1	93.3	93.3	93.3	93.3	93.5	93.5	93.5	93.5	93.5
≥ 800	66.1	85.7	90.5	92.0	93.5	93.9	94.3	94.4	94.4	94.4	94.4	94.7	94.7	94.7	94.7	94.7
≥ 700	66.2	86.2	91.4	92.8	94.7	95.3	96.0	96.1	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3
≥ 600	66.2	86.2	91.5	92.9	94.8	95.4	96.1	96.2	96.2	96.2	96.2	96.5	96.5	96.5	96.5	96.5
≥ 500	66.2	86.5	92.0	93.4	95.5	96.3	97.0	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4
≥ 400	66.2	86.5	92.0	93.6	96.5	97.6	98.5	98.6	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8
≥ 300	66.2	86.5	92.0	93.6	96.5	97.6	98.5	98.6	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.9
≥ 200	66.2	86.5	92.0	93.6	96.7	97.9	98.9	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5
≥ 100	66.2	86.5	92.0	93.6	96.7	97.9	98.9	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.6	99.9
≥ 0	66.2	86.5	92.0	93.6	96.7	97.9	98.9	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING ≥ 20000	53.2	62.2	63.4	63.9	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000 ≥ 16000	54.6	64.7	65.8	66.4	67.1	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 14000 ≥ 12000	54.6	64.7	65.8	66.4	67.1	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 10000 ≥ 9000	58.3	69.3	70.8	71.4	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000 ≥ 7000	60.2	71.6	73.3	73.9	74.6	74.6	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 6000 ≥ 5000	61.2	73.0	74.8	75.5	76.2	76.2	76.2	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4500 ≥ 4000	62.4	74.3	76.2	77.0	77.7	77.8	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500 ≥ 3000	63.9	76.1	78.3	79.0	79.8	79.9	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 2500 ≥ 2000	64.1	76.4	78.5	79.2	80.0	80.1	80.1	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 1800 ≥ 1500	64.8	77.3	79.4	80.1	81.1	81.2	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1200 ≥ 1000	65.2	77.8	80.4	81.1	82.2	82.3	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 900 ≥ 800	66.1	79.6	82.3	83.0	84.3	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 700 ≥ 600	66.8	80.6	83.5	84.2	85.6	85.7	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 500 ≥ 400	67.0	81.6	84.5	85.5	86.9	87.1	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 300 ≥ 200	67.3	81.9	84.9	85.9	87.4	87.6	87.8	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 100 ≥ 0	67.5	82.3	85.3	86.5	87.9	88.2	88.4	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 0	67.6	82.7	86.3	87.8	89.2	89.5	89.7	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 0	67.7	83.5	87.2	89.0	90.7	91.3	91.6	91.6	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 0	68.0	84.8	88.5	90.3	92.1	92.7	93.0	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 0	68.0	84.8	88.8	90.3	92.9	93.5	93.9	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 0	68.1	84.9	88.9	91.0	93.7	94.3	94.7	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 0	68.2	85.3	89.4	91.7	94.7	95.3	95.6	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 0	68.2	85.3	89.4	91.7	95.0	95.6	96.1	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 0	68.2	85.5	89.5	91.8	95.7	96.6	97.0	97.5	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 0	68.2	85.5	89.5	91.8	95.7	96.7	97.5	98.2	98.7	98.9	98.9	98.9	98.9	99.1	99.1	99.3
≥ 0	68.2	85.5	89.5	91.8	95.7	96.7	97.5	98.2	98.7	98.9	98.9	98.9	98.9	99.1	99.1	99.4
≥ 0	68.2	85.5	89.5	91.8	95.7	96.7	97.5	98.2	98.7	98.9	98.9	98.9	98.9	99.1	99.1	99.4

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEAR

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥0
NO CEILING	42.9	56.3	59.1	59.9	61.2	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.5	62.5	62.5
≥ 20000	44.1	58.4	61.5	62.3	63.6	63.9	64.4	64.5	64.7	64.7	64.7	64.7	64.7	64.9	64.9	64.9
≥ 18000	44.1	58.4	61.5	62.3	63.6	63.9	64.4	64.5	64.7	64.7	64.7	64.7	64.7	64.9	64.9	64.9
≥ 16000	44.1	58.4	61.5	62.3	63.6	63.9	64.4	64.5	64.7	64.7	64.7	64.7	64.7	64.9	64.9	64.9
≥ 14000	44.3	58.6	61.7	62.5	63.8	64.2	64.7	64.8	64.9	64.9	64.9	64.9	64.9	65.1	65.1	65.1
≥ 12000	45.3	60.0	63.1	63.9	65.2	65.6	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.5	66.5	66.5
≥ 10000	47.2	63.0	66.4	67.3	68.6	68.9	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.9	69.9	69.9
≥ 9600	47.3	63.1	66.5	67.4	68.7	69.0	69.5	69.6	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.0
≥ 8000	49.1	65.8	69.3	70.1	71.4	71.9	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.8	72.8	72.8
≥ 7000	50.4	67.4	70.8	71.7	73.0	73.6	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.6	74.6	74.6
≥ 6000	51.7	68.8	72.2	73.2	74.5	75.1	75.5	75.7	75.8	75.8	75.8	75.8	75.8	76.0	76.0	76.0
≥ 5600	52.8	70.3	73.8	74.8	76.1	76.7	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.7	77.7	77.7
≥ 4500	53.4	70.9	74.3	75.3	76.8	77.4	77.9	78.0	78.3	78.3	78.3	78.3	78.3	78.5	78.5	78.5
≥ 4000	53.9	71.9	75.3	76.6	77.9	78.5	79.0	79.2	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.8
≥ 3500	54.7	72.9	76.5	77.9	79.2	79.8	80.4	80.6	81.0	81.0	81.0	81.0	81.0	81.2	81.2	81.2
≥ 3000	55.1	74.1	78.0	79.6	80.9	81.4	82.0	82.3	82.6	82.6	82.6	82.6	82.6	82.9	82.9	82.9
≥ 2500	55.7	75.1	79.1	80.6	82.0	82.6	83.3	83.6	83.9	83.9	83.9	83.9	83.9	84.2	84.2	84.2
≥ 2000	55.9	75.3	79.3	81.0	82.5	83.1	83.8	84.2	84.5	84.5	84.5	84.5	84.5	84.8	84.8	84.8
≥ 1800	56.0	75.7	79.7	81.4	83.0	83.6	84.3	84.6	85.0	85.0	85.0	85.0	85.0	85.2	85.2	85.2
≥ 1500	56.5	76.2	80.4	82.4	84.0	84.6	85.3	85.7	86.1	86.1	86.1	86.1	86.1	86.3	86.3	86.3
≥ 1200	56.6	76.7	81.3	83.5	85.2	85.8	86.6	87.1	87.5	87.5	87.5	87.5	87.5	87.8	87.8	87.8
≥ 1000	57.2	77.7	82.6	84.9	86.6	87.2	88.1	88.7	89.0	89.0	89.0	89.0	89.0	89.4	89.4	89.4
≥ 900	57.3	77.9	83.0	85.3	87.2	87.8	88.8	89.4	89.7	89.7	89.7	89.7	89.7	90.1	90.1	90.1
≥ 800	57.6	78.1	83.2	85.9	87.9	88.5	89.5	90.2	90.5	90.5	90.5	90.5	90.5	90.9	90.9	90.9
≥ 700	57.9	78.5	83.8	87.0	89.1	90.0	91.0	91.8	92.2	92.2	92.2	92.2	92.2	92.6	92.6	92.6
≥ 600	57.9	78.6	84.0	87.5	89.8	90.7	91.8	92.7	93.0	93.0	93.0	93.0	93.0	93.5	93.5	93.5
≥ 500	57.9	78.6	84.2	87.7	90.4	91.5	92.7	93.6	94.1	94.1	94.1	94.1	94.1	94.6	94.6	94.6
≥ 400	57.9	78.7	84.3	88.2	90.9	92.1	93.4	94.3	94.9	94.9	94.9	94.9	94.9	95.4	95.4	95.4
≥ 300	57.9	78.8	84.5	88.4	91.4	92.6	94.0	95.3	95.9	95.9	95.9	95.9	95.9	96.5	96.5	96.5
≥ 200	57.9	79.1	84.8	88.8	91.8	93.0	94.7	96.1	97.3	97.4	97.4	97.4	97.4	98.2	98.2	98.2
≥ 100	57.9	79.1	84.8	88.8	91.8	93.0	94.7	96.2	97.4	97.5	97.5	97.5	97.5	98.3	98.3	98.3
≥ 0	57.9	79.1	84.8	88.8	91.8	93.0	94.7	96.2	97.4	97.5	97.5	97.5	97.5	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	41.8	57.6	59.3	60.0	60.3	60.3	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 20000	43.1	60.8	62.8	63.5	63.7	63.7	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 18000	43.3	60.9	62.9	63.6	63.8	63.8	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000	43.3	60.9	62.9	63.6	63.8	63.8	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000	43.4	61.1	63.1	63.8	64.1	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000	44.3	62.8	65.1	66.1	66.3	66.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 10000	48.7	68.2	70.7	71.6	71.9	72.1	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 9000	49.1	68.7	71.2	72.1	72.3	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 8000	50.5	70.4	73.2	74.2	74.5	74.7	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 7000	51.1	71.5	74.2	75.3	75.5	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 6000	52.4	73.3	76.1	77.4	77.8	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 5000	53.1	74.6	77.4	78.8	79.4	79.8	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 4500	53.4	74.9	77.9	79.3	80.0	80.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4000	53.8	75.5	78.7	80.1	80.9	81.2	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500	54.1	76.0	79.4	81.1	81.9	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3000	54.4	76.4	79.9	81.7	82.5	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 2500	54.7	76.7	80.4	82.3	83.2	83.6	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2000	55.1	77.4	81.1	83.0	84.0	84.4	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800	55.1	77.4	81.1	83.1	84.2	84.5	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1500	55.1	77.8	81.7	83.8	84.9	85.3	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1200	55.6	79.0	83.0	85.5	86.6	87.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1000	56.5	79.9	84.0	86.9	88.4	89.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 900	56.5	79.9	84.2	87.1	88.9	89.5	90.4	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 800	56.9	80.9	85.2	88.4	90.4	91.0	92.1	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 700	57.0	81.8	86.4	89.8	92.0	92.8	94.2	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 600	57.1	82.0	86.8	90.3	92.6	93.5	94.9	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 500	57.1	82.2	87.1	91.1	93.4	94.7	96.2	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 400	57.1	82.2	87.1	91.1	93.6	94.9	96.7	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	57.1	82.3	87.2	91.5	94.0	95.4	97.3	98.6	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	57.1	82.3	87.2	91.5	94.0	95.4	97.4	98.9	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	57.1	82.3	87.2	91.5	94.0	95.4	97.4	98.9	98.9	99.4	99.6	99.6	99.6	99.6	99.6	100.0
≥ 0	57.1	82.3	87.2	91.5	94.0	95.4	97.4	98.9	98.9	99.4	99.6	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	49.4	59.7	59.7	59.8	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 20000	51.8	63.9	63.9	64.1	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 18000	52.2	64.5	64.5	64.7	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 16000	52.4	64.9	64.9	65.0	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 14000	53.3	66.0	66.0	66.1	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 12000	55.3	68.4	68.4	68.6	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 10000	57.0	71.2	71.2	71.3	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 9000	57.1	71.3	71.3	71.4	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 8000	58.5	73.8	73.9	74.0	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 7000	59.2	75.3	75.4	75.5	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 6000	59.7	76.2	76.6	76.8	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 5000	61.0	78.6	79.0	79.4	79.7	79.7	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4500	61.7	79.7	80.1	80.6	80.9	81.0	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4000	61.9	80.3	80.9	81.3	81.6	81.7	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500	62.8	81.4	82.0	82.6	82.9	83.0	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	63.5	83.2	83.8	84.4	84.6	84.8	85.0	85.0	85.0	85.0	85.1	85.2	85.2	85.3	85.3	85.3
≥ 2500	64.2	84.4	85.2	85.8	86.1	86.2	86.5	86.6	86.6	86.6	86.9	87.0	87.0	87.1	87.1	87.1
≥ 2000	64.8	85.1	86.2	86.8	87.0	87.1	87.6	87.7	87.7	87.7	87.9	88.1	88.1	88.2	88.2	88.2
≥ 1800	64.9	85.3	86.4	87.0	87.2	87.4	87.8	87.9	87.9	87.9	88.2	88.3	88.3	88.4	88.4	88.4
≥ 1500	65.4	86.1	87.2	87.9	88.2	88.3	88.8	88.9	88.9	88.9	89.1	89.2	89.2	89.4	89.4	89.4
≥ 1200	65.8	87.2	88.4	89.6	90.0	90.2	90.7	90.8	90.8	90.8	91.0	91.1	91.1	91.3	91.3	91.3
≥ 1000	66.0	87.7	89.0	90.2	91.3	91.5	92.1	92.2	92.2	92.2	92.4	92.6	92.6	92.7	92.7	92.7
≥ 900	66.0	88.4	89.7	90.9	92.1	92.3	92.9	93.0	93.0	93.0	93.3	93.4	93.4	93.5	93.5	93.5
≥ 800	66.0	88.5	90.1	91.3	92.7	92.9	93.7	93.9	93.9	93.9	94.1	94.2	94.2	94.3	94.3	94.3
≥ 700	66.5	89.2	90.8	92.1	93.7	94.0	94.9	95.2	95.3	95.3	95.5	95.9	95.9	96.0	96.0	96.0
≥ 600	66.8	89.7	91.4	92.7	94.3	94.6	95.5	96.0	96.1	96.3	96.7	96.7	96.7	96.8	96.8	96.8
≥ 500	66.8	90.1	91.7	93.3	95.3	95.6	96.9	97.5	97.8	98.0	98.3	98.3	98.3	98.5	98.5	98.5
≥ 400	66.8	90.1	91.8	93.4	95.5	95.9	97.3	98.2	98.7	98.9	99.3	99.3	99.3	99.4	99.4	99.4
≥ 300	66.8	90.1	91.8	93.4	95.5	95.9	97.4	98.5	99.1	99.3	99.6	99.6	99.6	99.8	99.8	99.8
≥ 200	66.8	90.1	91.8	93.4	95.5	95.9	97.4	98.7	99.3	99.5	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	66.8	90.1	91.8	93.4	95.5	95.9	97.4	98.7	99.3	99.5	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	66.8	90.1	91.8	93.4	95.5	95.9	97.4	98.7	99.3	99.5	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70,74-78

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING ≥ 20000	50.8	58.2	58.5	58.9	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
18000	52.7	62.2	62.5	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
16000	52.8	62.3	62.6	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
14000	53.8	63.6	63.9	64.4	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
12000	55.9	66.5	66.9	67.5	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
10000	58.7	71.5	72.0	72.6	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
8000	58.9	72.1	72.6	73.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
6000	59.9	74.1	74.6	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
5000	60.4	75.4	76.0	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
4500	61.3	76.8	77.4	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
4000	62.4	79.1	79.7	80.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
3500	63.7	80.4	81.1	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
3000	64.5	81.6	82.4	83.5	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
2500	65.0	82.7	83.7	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
2000	65.7	83.6	84.6	85.9	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
1500	66.4	84.9	86.1	87.5	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
1000	67.1	86.2	87.6	89.0	90.3	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
800	67.5	86.5	88.1	89.5	90.8	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
700	68.2	87.5	89.1	90.9	92.2	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
600	68.6	88.1	90.1	92.0	93.4	93.6	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
500	68.7	88.4	90.4	92.3	93.9	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
400	68.7	88.4	90.5	92.4	94.2	94.4	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
300	68.8	88.8	91.1	93.1	95.0	95.4	96.0	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
200	69.1	89.5	91.8	93.9	95.7	96.1	96.7	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
100	69.1	89.5	92.0	94.1	96.3	96.9	97.9	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
50	69.1	89.5	92.0	94.1	96.3	96.9	98.0	98.7	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9
10	69.1	89.5	92.0	94.1	96.3	96.9	98.1	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0	69.1	89.5	92.0	94.1	96.3	96.9	98.1	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	53.5	63.5	64.4	64.7	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 20000	55.7	67.8	68.8	69.0	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 18000	55.7	67.8	68.8	69.0	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 16000	55.7	67.8	68.8	69.0	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 14000	56.4	69.0	70.0	70.2	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000	57.0	69.9	71.0	71.4	71.7	71.7	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 10000	60.3	73.9	75.1	75.5	75.9	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 9000	60.8	74.5	75.9	76.4	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 8000	61.9	76.6	78.0	78.5	78.8	78.8	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000	62.5	77.4	78.8	79.3	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 6000	63.6	79.2	80.6	81.1	81.4	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000	64.9	81.0	82.4	83.0	83.3	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 4500	65.4	81.8	83.2	83.9	84.5	84.5	84.5	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4000	66.4	83.7	85.5	86.4	87.0	87.0	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3500	67.1	84.5	86.3	87.2	87.8	87.8	87.8	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3000	67.4	85.0	87.1	88.1	88.7	88.7	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2500	68.1	86.1	88.4	89.5	90.1	90.2	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2000	68.9	87.1	89.6	90.7	91.3	91.4	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	68.9	87.1	89.6	90.7	91.3	91.4	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	69.0	87.2	90.1	91.1	91.7	92.0	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	69.3	87.9	90.9	92.3	93.0	93.6	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000	69.4	88.3	91.3	92.7	93.7	94.3	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 900	69.4	88.3	91.5	92.9	94.0	94.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 800	69.4	88.3	91.6	93.0	94.1	94.7	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 700	69.4	88.3	91.7	93.1	94.4	95.0	95.4	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600	69.5	88.4	92.0	93.5	95.0	95.9	96.5	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	69.7	88.8	92.7	94.2	95.7	96.8	97.6	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	69.7	88.8	92.8	94.3	96.3	97.4	98.3	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	69.7	88.8	92.8	94.4	96.5	97.5	98.8	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	69.7	88.8	92.8	94.4	96.5	97.5	98.9	99.2	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	69.7	88.8	92.8	94.4	96.5	97.5	98.9	99.2	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	69.7	88.8	92.8	94.4	96.5	97.5	98.9	99.2	99.4	99.5	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70274-78
PERIOD

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	56.4	66.0	67.4	67.8	68.2	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 20000	58.0	69.9	71.3	71.7	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 18000	58.0	69.9	71.3	71.7	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 16000	58.0	69.9	71.3	71.7	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 14000	58.0	69.9	71.3	71.7	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 12000	59.3	71.3	72.9	73.4	73.8	73.8	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 10000	61.2	74.1	75.9	76.4	76.7	76.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 9000	61.7	74.9	76.7	77.2	77.5	77.5	77.5	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 8000	63.2	76.7	78.5	79.0	79.3	79.3	79.3	79.3	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 7000	63.7	77.3	79.1	79.6	79.9	79.9	79.9	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 6000	65.5	79.4	81.3	81.8	82.2	82.2	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 5000	67.0	81.3	83.2	83.7	84.0	84.0	84.0	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4500	67.7	82.4	84.8	85.3	85.7	85.7	85.7	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 4000	68.2	83.5	85.9	86.5	86.9	86.9	86.9	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3500	68.8	84.5	87.4	88.1	88.4	88.4	88.4	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3000	69.0	85.3	88.3	89.0	89.4	89.4	89.4	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2500	69.1	85.6	88.7	89.4	89.7	89.7	89.7	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2000	70.0	86.6	89.7	90.4	90.8	90.8	90.8	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	70.2	86.9	90.2	90.9	91.3	91.3	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1500	70.4	87.4	90.7	91.4	91.7	91.7	91.8	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	70.6	87.7	91.5	92.2	92.6	92.7	92.8	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1000	70.6	87.8	91.6	92.3	92.7	92.8	92.9	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 900	70.6	87.8	91.7	92.4	93.1	93.3	93.4	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 800	70.7	88.2	92.2	93.0	94.1	94.2	94.3	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	70.7	88.4	92.4	93.4	94.4	94.6	94.8	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	70.7	88.5	92.7	93.7	95.4	95.5	95.0	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	70.7	88.9	93.1	94.3	96.3	96.5	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	70.7	89.0	93.3	94.6	97.0	97.2	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	70.7	89.0	93.3	94.9	97.4	97.8	98.5	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	70.7	89.0	93.3	94.9	97.4	97.8	98.6	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	70.7	89.0	93.3	94.9	97.4	97.8	98.6	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	70.7	89.0	93.3	94.9	97.4	97.8	98.6	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 11-51

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	50.2	61.0	62.4	62.9	63.4	63.4	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 20000	51.8	64.3	65.8	66.3	66.7	66.8	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000	51.9	64.5	65.9	66.4	66.9	66.9	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 16000	52.0	64.5	65.9	66.4	66.9	67.0	67.1	67.1	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3
≥ 14000	52.3	65.1	66.5	67.0	67.5	67.5	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 12000	53.7	66.8	68.3	68.9	69.4	69.4	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000	56.2	70.4	72.1	72.7	73.2	73.2	73.4	73.4	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6
≥ 9000	56.4	70.8	72.5	73.1	73.6	73.7	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 8000	57.9	72.9	74.7	75.3	75.8	75.9	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3
≥ 7000	58.7	74.2	76.0	76.6	77.1	77.2	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.6	77.6	77.6
≥ 6000	59.8	75.7	77.6	78.3	78.8	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3
≥ 5000	61.1	77.4	79.4	80.1	80.7	80.9	81.1	81.1	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3
≥ 4500	61.6	78.2	80.3	81.1	81.8	81.9	82.1	82.1	82.2	82.3	82.3	82.3	82.3	82.4	82.4	82.4
≥ 4000	62.2	79.2	81.4	82.3	83.0	83.1	83.3	83.3	83.4	83.5	83.5	83.6	83.6	83.6	83.6	83.6
≥ 3500	62.8	80.1	82.5	83.5	84.2	84.4	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3000	63.2	81.1	83.6	84.7	85.5	85.6	85.8	85.9	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2
≥ 2500	63.8	82.0	84.6	85.7	86.6	86.8	87.1	87.2	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.5
≥ 2000	64.3	82.8	85.6	86.7	87.6	87.8	88.2	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1800	64.5	83.0	85.9	87.1	88.0	88.2	88.5	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1500	64.7	83.5	86.5	87.9	88.8	89.1	89.5	89.6	89.7	89.8	89.8	89.8	89.9	89.9	89.9	89.9
≥ 1200	65.0	84.2	87.5	89.0	90.1	90.4	90.8	91.0	91.1	91.2	91.2	91.2	91.3	91.3	91.3	91.3
≥ 1000	65.2	84.7	88.1	89.7	91.0	91.3	91.8	92.0	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.3
≥ 900	65.3	84.9	88.4	90.1	91.5	91.9	92.4	92.6	92.7	92.8	92.8	92.8	92.9	92.9	92.9	92.9
≥ 800	65.4	85.4	89.0	90.8	92.4	92.8	93.4	93.6	93.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9
≥ 700	65.6	85.7	89.6	91.5	93.3	93.8	94.5	94.8	94.9	95.0	95.1	95.1	95.2	95.2	95.2	95.2
≥ 600	65.7	86.0	89.9	91.9	93.9	94.5	95.3	95.6	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	65.7	86.2	90.3	92.5	94.7	95.4	96.3	96.8	96.9	97.0	97.1	97.1	97.2	97.2	97.2	97.2
≥ 400	65.7	86.3	90.3	92.6	95.2	96.0	97.0	97.5	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	65.7	86.3	90.4	92.8	95.4	96.3	97.4	98.2	98.5	98.6	98.8	98.8	98.9	98.9	98.9	98.9
≥ 200	65.7	86.3	90.4	92.8	95.5	96.4	97.7	98.6	99.0	99.2	99.4	99.5	99.5	99.5	99.6	99.6
≥ 100	65.7	86.3	90.4	92.8	95.5	96.4	97.7	98.6	99.0	99.2	99.5	99.5	99.6	99.6	99.7	99.9
≥ 50	65.7	86.3	90.4	92.8	95.5	96.4	97.7	98.6	99.0	99.2	99.5	99.5	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 6768

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING	54.3	66.3	67.5	67.5	67.7	67.7	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 20000	56.0	69.0	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 18000	56.0	69.0	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 16000	56.0	69.0	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 14000	56.1	69.2	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 12000	57.1	70.4	71.6	71.6	71.8	71.8	71.8	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000	60.3	74.5	75.7	75.7	75.9	75.9	75.9	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 9000	60.8	75.1	76.2	76.2	76.5	76.5	76.5	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 8000	62.9	78.0	79.1	79.1	79.4	79.4	79.4	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 7000	63.8	79.4	80.5	80.5	80.8	80.8	80.8	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 6000	64.7	80.4	81.7	81.7	81.9	81.9	81.9	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 5000	65.9	82.3	83.5	83.5	84.4	84.4	84.5	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4500	65.9	82.5	83.9	84.2	84.8	84.8	84.9	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 4000	66.7	83.8	85.5	85.8	86.5	86.5	86.6	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3500	67.0	84.5	86.2	86.6	87.4	87.4	87.5	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3000	67.5	85.2	87.0	87.3	88.3	88.3	88.4	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	67.5	85.2	87.1	87.4	88.4	88.4	88.5	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2000	67.6	85.6	87.6	88.0	88.9	88.9	89.0	89.1	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800	67.6	85.6	87.6	88.0	88.9	88.9	89.0	89.1	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500	67.7	85.7	87.8	88.2	89.1	89.1	89.2	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1200	68.0	86.2	88.5	88.8	89.8	89.8	89.9	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1000	68.9	87.3	89.9	90.2	91.2	91.2	91.3	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 900	69.4	87.7	90.3	90.6	91.6	91.6	91.7	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 800	69.6	88.0	90.6	91.0	92.0	92.0	92.2	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 700	69.8	88.2	91.1	91.5	92.6	92.6	92.7	92.8	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 600	69.8	88.4	91.3	91.7	92.9	92.9	93.0	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 500	69.8	88.5	91.4	92.0	93.8	94.0	94.2	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 400	69.8	88.8	91.8	92.7	94.7	95.2	95.6	96.3	96.3	96.9	97.0	97.0	97.0	97.0	97.0	97.0
≥ 300	70.0	89.1	92.2	93.1	95.3	95.9	96.3	97.1	97.3	97.8	98.3	98.3	98.3	98.3	98.3	98.3
≥ 200	70.0	89.1	92.2	93.2	95.6	96.2	96.7	98.0	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.4
≥ 100	70.0	89.1	92.2	93.2	95.6	96.2	96.7	98.1	98.3	99.0	99.5	99.5	99.5	99.5	99.7	99.9
≥	70.0	89.1	92.2	93.2	95.6	96.2	96.7	98.1	98.3	99.0	99.5	99.5	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	47.7	58.5	60.8	61.1	61.5	61.9	62.0	62.0	62.2	62.3	62.4	62.4	62.5	62.5	62.6	62.8
≥ 18000	49.5	61.1	63.4	63.9	64.3	64.7	64.8	64.8	64.9	65.1	65.2	65.2	65.3	65.3	65.4	65.6
≥ 16000	49.5	61.1	63.4	63.9	64.3	64.7	64.8	64.8	64.9	65.1	65.2	65.2	65.3	65.3	65.4	65.6
≥ 14000	49.6	61.2	63.5	64.0	64.4	64.8	64.9	64.9	65.1	65.2	65.3	65.3	65.4	65.4	65.5	65.7
≥ 12000	51.0	62.6	65.1	65.5	65.9	66.3	66.5	66.5	66.6	66.7	66.8	66.8	66.9	66.9	67.0	67.2
≥ 10000	54.2	66.7	69.2	69.7	70.1	70.5	70.6	70.6	70.8	70.9	71.0	71.0	71.1	71.1	71.2	71.4
≥ 9000	55.1	67.6	70.2	70.6	71.1	71.5	71.6	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.4
≥ 8000	57.2	70.6	73.2	73.7	74.1	74.5	74.6	74.6	74.7	74.8	74.9	74.9	75.1	75.1	75.2	75.4
≥ 7000	58.2	72.2	74.7	75.2	75.6	76.0	76.1	76.1	76.2	76.3	76.5	76.5	76.6	76.6	76.7	76.9
≥ 6000	58.8	73.2	75.9	76.3	76.8	77.2	77.3	77.3	77.4	77.5	77.6	77.6	77.7	77.7	77.8	78.1
≥ 5000	60.8	75.6	78.6	79.2	79.7	80.2	80.3	80.3	80.4	80.5	80.6	80.6	80.8	80.8	80.9	81.1
≥ 4500	60.8	75.9	78.9	79.7	80.2	80.8	80.9	80.9	81.0	81.1	81.2	81.2	81.3	81.3	81.4	81.6
≥ 4000	61.6	76.9	80.2	81.0	81.5	82.0	82.2	82.2	82.3	82.4	82.5	82.5	82.6	82.6	82.7	82.9
≥ 3500	61.8	77.4	80.9	81.6	82.2	82.7	82.8	82.8	82.9	83.0	83.1	83.1	83.2	83.2	83.3	83.5
≥ 3000	62.0	78.3	81.9	82.7	83.2	83.8	83.9	83.9	84.0	84.1	84.2	84.2	84.3	84.3	84.4	84.6
≥ 2500	62.4	78.8	82.5	83.3	83.9	84.4	84.5	84.5	84.6	84.7	84.8	84.8	84.9	84.9	85.1	85.3
≥ 2000	63.0	79.6	83.3	84.2	84.8	85.4	85.5	85.5	85.6	85.7	85.8	85.8	85.9	85.9	86.0	86.2
≥ 1800	63.3	80.0	83.8	84.6	85.3	85.8	85.9	85.9	86.0	86.1	86.2	86.2	86.3	86.3	86.5	86.7
≥ 1600	63.9	80.6	84.4	85.3	85.9	86.5	86.6	86.6	86.7	86.8	86.9	86.9	87.0	87.0	87.1	87.3
≥ 1400	64.3	81.3	85.1	85.9	86.6	87.1	87.2	87.2	87.3	87.4	87.5	87.5	87.6	87.6	87.7	88.0
≥ 1200	64.6	81.9	86.2	87.4	88.2	88.7	88.8	88.8	88.9	89.0	89.1	89.1	89.2	89.2	89.4	89.6
≥ 1000	64.7	82.0	86.3	87.5	88.5	89.0	89.1	89.1	89.2	89.4	89.5	89.5	89.6	89.6	89.7	89.9
≥ 900	64.9	82.4	86.8	88.1	89.0	89.6	89.7	89.7	89.8	89.9	90.0	90.0	90.1	90.1	90.2	90.4
≥ 800	65.1	83.2	87.6	88.9	90.0	90.5	90.6	90.6	90.8	90.9	91.0	91.0	91.1	91.1	91.2	91.4
≥ 700	65.2	83.8	88.2	89.5	90.5	91.1	91.2	91.2	91.3	91.5	91.7	91.7	91.8	91.8	91.9	92.2
≥ 600	65.2	83.9	88.4	89.8	91.0	91.5	91.7	91.7	91.8	92.0	92.4	92.4	92.5	92.5	92.6	92.8
≥ 500	65.4	84.2	88.9	90.9	92.3	92.9	93.3	93.7	93.8	94.0	94.3	94.3	94.4	94.4	94.5	94.7
≥ 400	65.4	84.2	88.9	90.9	92.5	93.5	94.3	95.5	95.6	96.1	96.5	96.5	96.7	96.7	96.8	97.0
≥ 300	65.4	84.3	89.0	91.1	92.8	94.1	94.9	96.8	97.0	97.5	97.8	97.8	98.4	98.4	98.5	98.7
≥ 200	65.4	84.3	89.0	91.1	92.8	94.1	94.9	96.9	97.1	97.6	98.0	98.0	98.6	98.6	98.7	99.5
≥ 100	65.4	84.3	89.0	91.1	92.8	94.1	94.9	96.9	97.1	97.6	98.0	98.0	98.6	98.6	98.7	100.0
≥ 0	65.4	84.3	89.0	91.1	92.8	94.1	94.9	96.9	97.1	97.6	98.0	98.0	98.6	98.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING ≤ 20000	36.1	51.4	54.9	55.8	57.5	58.2	58.4	58.8	59.1	59.4	59.7	59.8	59.8	59.8	59.8	59.9
≥ 18000	37.5	53.3	57.6	58.8	60.6	61.5	61.7	62.2	62.5	62.7	63.0	63.1	63.1	63.1	63.1	63.2
≥ 16000	37.7	53.7	58.0	59.1	61.0	61.8	62.0	62.5	62.8	63.0	63.3	63.4	63.4	63.4	63.4	63.5
≥ 14000	37.7	53.7	58.0	59.1	61.0	61.8	62.0	62.5	62.8	63.1	63.4	63.5	63.5	63.5	63.5	63.7
≥ 12000	39.0	55.7	60.2	61.4	63.3	64.3	64.5	64.9	65.2	65.6	65.9	66.0	66.0	66.0	66.0	66.1
≥ 10000	41.4	58.7	63.4	64.6	66.9	67.8	68.1	68.5	68.8	69.1	69.5	69.6	69.6	69.6	69.6	69.8
≥ 9000	41.8	59.2	64.0	65.2	67.4	68.4	68.6	69.0	69.4	69.7	70.0	70.1	70.1	70.1	70.1	70.3
≥ 8000	43.3	61.5	66.7	68.0	70.2	71.2	71.4	71.8	72.2	72.6	72.9	73.0	73.0	73.0	73.0	73.2
≥ 7000	44.1	62.6	68.0	69.4	71.6	72.6	72.8	73.2	73.5	74.0	74.3	74.4	74.4	74.4	74.4	74.6
≥ 6000	44.6	63.8	69.1	70.5	72.9	73.9	74.1	74.5	74.8	75.3	75.6	75.7	75.7	75.7	75.7	75.9
≥ 5000	46.5	66.5	72.0	73.4	75.8	76.8	77.0	77.5	77.8	78.4	78.7	78.8	78.8	78.8	78.8	79.0
≥ 4500	46.7	67.1	73.0	74.4	76.9	77.8	78.1	78.6	78.9	79.5	79.8	79.9	79.9	79.9	79.9	80.1
≥ 4000	47.0	67.8	73.9	75.6	78.1	79.0	79.2	79.8	80.1	80.6	81.0	81.1	81.1	81.1	81.1	81.3
≥ 3500	47.2	68.2	74.3	76.0	78.6	79.6	79.8	80.3	80.6	81.2	81.5	81.6	81.6	81.6	81.6	81.8
≥ 3000	47.4	68.7	75.1	77.0	79.7	80.6	80.9	81.4	81.7	82.3	82.6	82.7	82.7	82.7	82.7	82.9
≥ 2500	47.7	69.5	75.9	77.8	80.6	81.6	81.8	82.4	82.7	83.2	83.5	83.7	83.7	83.7	83.7	83.9
≥ 2000	48.0	70.1	76.7	78.6	81.5	82.5	82.7	83.2	83.5	84.1	84.4	84.5	84.5	84.5	84.5	84.7
≥ 1800	48.0	70.1	76.7	78.6	81.5	82.5	82.8	83.3	83.7	84.3	84.6	84.7	84.7	84.7	84.7	84.9
≥ 1500	48.2	70.4	77.3	79.4	82.3	83.2	83.5	84.1	84.4	85.1	85.4	85.5	85.5	85.5	85.5	85.7
≥ 1200	48.3	70.6	77.7	79.8	82.7	83.7	84.0	84.5	84.8	85.5	85.8	85.9	85.9	85.9	85.9	86.1
≥ 1000	48.7	71.8	79.0	81.3	84.2	85.3	85.7	86.2	86.6	87.2	87.5	87.6	87.6	87.6	87.6	87.8
≥ 900	48.7	71.9	79.2	81.6	84.8	85.8	86.2	86.8	87.1	87.7	88.1	88.2	88.2	88.2	88.2	88.4
≥ 800	48.8	72.3	79.7	82.0	85.5	86.5	87.0	87.5	87.8	88.5	88.8	88.9	88.9	88.9	88.9	89.1
≥ 700	48.8	72.4	80.0	82.7	86.2	87.2	87.7	88.3	88.6	89.2	89.6	89.7	89.7	89.7	89.7	89.9
≥ 600	48.9	72.7	80.5	83.5	87.3	88.3	88.8	89.4	89.7	90.3	90.6	90.8	90.8	90.8	90.8	91.0
≥ 500	48.9	72.7	80.5	82.7	87.4	88.7	89.4	90.0	90.5	91.2	91.5	91.8	91.8	91.8	91.8	92.0
≥ 400	49.1	73.0	81.0	84.4	88.6	90.1	90.9	91.6	92.2	92.8	93.1	93.4	93.4	93.4	93.4	93.7
≥ 300	49.1	73.0	81.0	84.5	88.8	90.8	91.9	93.2	93.9	94.8	95.4	95.7	95.8	95.8	95.8	96.0
≥ 200	49.1	73.0	81.0	84.6	88.9	90.9	92.4	93.9	94.6	95.8	96.5	96.8	97.1	97.3	97.5	98.1
≥ 100	49.1	73.0	81.0	84.6	88.9	90.9	92.4	94.1	94.8	96.1	96.8	97.1	97.5	97.7	98.1	99.5
≥ 50	49.1	73.0	81.0	84.6	88.9	90.9	92.4	94.1	94.8	96.1	96.8	97.1	97.5	97.7	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

U.S. AIR FORCE CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
DATE

MAP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	43.4	58.4	59.5	60.1	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 20000	44.5	61.7	63.0	63.8	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 18000	44.5	61.7	63.0	63.8	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 16000	44.5	61.7	63.0	63.8	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 14000	44.7	62.0	63.4	64.2	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 12000	45.7	63.4	64.8	65.6	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 10000	47.7	67.6	69.4	70.2	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 9000	48.4	68.5	70.4	71.3	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 8000	49.4	70.2	72.4	73.2	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 7000	49.8	70.8	73.0	73.9	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 6000	50.2	72.3	74.0	75.7	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000	50.8	74.4	76.8	77.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 4500	51.2	74.9	77.4	78.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4000	51.6	75.1	78.6	79.9	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3500	51.7	76.6	79.1	80.4	81.6	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3000	51.7	76.6	79.2	80.5	81.9	81.9	82.0	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 2500	52.5	77.7	80.5	81.8	83.4	83.4	83.5	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000	53.2	79.5	82.4	83.1	85.4	85.4	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	53.3	80.2	83.1	84.5	86.2	86.2	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1500	53.7	81.1	84.2	85.6	87.4	87.4	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1200	54.0	81.8	85.3	86.7	88.5	88.5	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1000	54.2	82.5	86.1	87.5	89.4	89.4	89.6	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 900	54.4	82.9	86.6	88.0	89.8	89.8	90.1	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 800	54.5	83.3	87.2	88.8	91.2	91.3	91.8	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 700	54.5	83.3	87.5	89.1	91.8	91.9	92.6	92.9	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2
≥ 600	54.5	83.4	87.6	89.5	92.4	92.5	93.2	93.7	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0
≥ 500	54.5	83.7	87.8	90.1	93.3	93.4	94.2	94.7	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3
≥ 400	54.5	83.7	88.0	90.6	94.0	94.5	95.7	96.5	96.7	96.9	97.1	97.1	97.2	97.2	97.2	97.2
≥ 300	54.5	83.7	88.0	90.6	94.0	94.7	96.1	97.1	97.4	97.8	98.0	98.6	98.7	98.9	99.0	99.0
≥ 200	54.5	83.7	88.0	90.6	94.0	94.7	96.1	97.2	97.5	98.0	98.7	98.7	98.9	99.2	99.4	99.6
≥ 100	54.5	83.7	88.0	90.6	94.0	94.8	96.3	97.4	97.7	98.2	98.9	98.9	99.1	99.5	99.7	100.0
≥ 0	54.5	83.7	88.0	90.6	94.0	94.8	96.3	97.4	97.7	98.2	98.9	98.9	99.1	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

06-70,74-78

NAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	52.6	60.6	60.9	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 18000	55.4	66.0	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000	55.6	66.3	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 14000	55.8	66.8	67.2	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 12000	57.3	68.6	69.0	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 10000	59.0	71.4	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000	60.0	72.8	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 8000	61.1	74.0	75.3	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 7000	61.7	76.0	76.5	76.8	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 6000	62.5	77.2	77.6	78.0	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 5000	63.3	78.8	79.4	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500	63.8	79.2	79.8	80.1	80.1	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 4000	65.4	81.1	81.9	82.5	82.5	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3500	66.1	82.4	83.2	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3000	67.0	84.3	85.3	85.9	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2500	67.7	86.0	87.0	88.0	88.1	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2000	68.1	87.6	88.8	89.8	89.9	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	68.3	88.4	89.7	90.8	90.9	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	68.4	88.7	90.3	91.5	91.7	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1200	68.7	89.4	91.1	92.6	92.9	93.0	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.7	93.7	93.7
≥ 1000	68.7	89.8	91.5	93.4	93.8	93.9	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6
≥ 900	68.8	90.1	91.8	94.3	94.6	94.7	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6
≥ 800	68.8	90.4	92.2	94.6	94.9	95.1	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1
≥ 700	68.8	90.4	92.4	95.2	95.6	95.7	96.6	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0
≥ 600	68.8	90.4	92.4	95.5	96.0	96.2	97.1	97.6	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0
≥ 500	68.9	90.5	92.5	95.9	96.7	96.9	97.8	98.5	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 400	68.9	90.5	92.5	95.9	97.0	97.2	98.3	98.9	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 300	69.0	90.6	92.6	96.0	97.1	97.3	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 200	69.0	90.6	92.6	96.0	97.1	97.3	98.6	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 100	69.0	90.6	92.6	96.0	97.1	97.3	98.6	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 0	69.0	90.6	92.6	96.0	97.1	97.3	98.6	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC

FORM 1-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	53.7	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 20000	57.1	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 18000	57.1	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 16000	57.1	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 14000	58.3	66.9	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 12000	59.1	68.1	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 10000	63.5	73.3	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 9000	64.2	74.1	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 8000	65.4	77.6	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 7000	66.1	78.7	78.9	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 6000	66.5	79.4	79.7	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 5000	67.7	81.0	82.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500	68.2	82.5	83.3	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000	70.2	85.2	86.6	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 3500	70.9	85.8	87.3	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3000	71.7	87.4	89.1	89.9	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2500	72.0	88.8	90.6	91.7	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	72.7	89.9	91.8	92.9	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1800	72.7	90.1	92.0	93.1	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	73.0	90.5	92.5	93.5	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200	73.1	90.8	92.7	94.0	94.5	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	73.1	91.0	93.0	94.4	95.1	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	73.1	91.3	93.3	94.8	95.5	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800	73.1	91.3	93.3	94.8	95.5	95.7	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	73.1	91.3	93.4	94.9	95.9	96.3	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7
≥ 600	73.1	91.4	93.5	95.2	96.1	96.6	97.6	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥ 500	73.1	91.5	93.8	95.4	96.5	96.9	98.2	98.9	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2
≥ 400	73.1	91.5	93.8	95.4	96.5	97.0	98.3	99.0	99.1	99.1	99.1	99.1	99.1	99.4	99.4	99.4
≥ 300	73.1	91.5	93.8	95.4	96.6	97.2	98.5	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 200	73.1	91.5	93.8	95.4	96.6	97.2	98.5	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 100	73.1	91.5	93.8	95.4	96.6	97.2	98.5	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 0	73.1	91.5	93.8	95.4	96.6	97.2	98.5	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	>10	>6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING ≥ 20000	60.3	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 15000 ≥ 10000	63.3	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000 ≥ 12000	64.0	71.6	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000 ≥ 9000	66.9	75.4	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 8000 ≥ 7000	67.0	75.7	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 6000 ≥ 5000	68.7	78.4	79.0	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500 ≥ 4000	69.6	79.4	80.1	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 3500 ≥ 3000	70.2	80.4	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2500 ≥ 2000	71.5	82.8	84.1	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1800 ≥ 1500	72.0	83.8	85.1	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1200 ≥ 1000	73.5	86.2	88.0	88.2	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 900 ≥ 800	73.8	86.9	88.6	89.0	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 700 ≥ 600	74.6	88.1	89.5	90.4	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 500 ≥ 400	74.7	88.6	90.4	91.0	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 300 ≥ 200	74.8	88.8	90.8	91.4	91.9	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 100	74.9	89.0	91.1	91.8	92.4	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
	75.1	89.2	91.3	92.0	92.6	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
	75.2	89.7	91.7	92.7	93.2	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
	75.2	90.0	92.3	93.2	93.8	94.2	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
	75.3	90.3	92.6	93.5	94.1	94.5	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
	75.3	90.3	92.6	93.7	94.2	94.6	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
	75.3	90.5	92.9	94.0	94.6	95.1	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
	75.4	90.6	93.2	94.3	95.1	95.5	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
	75.4	90.8	93.3	94.4	95.3	95.8	96.9	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
	75.4	90.8	93.4	94.5	95.4	96.0	97.2	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
	75.4	90.8	93.4	94.6	95.5	96.6	97.8	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	75.4	90.8	93.4	94.6	95.5	96.6	97.8	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	75.4	90.8	93.4	94.6	95.5	96.6	97.8	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

65-70,74-78
YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS, U.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	61.4	69.9	70.0	70.0	70.1	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	62.7	72.9	73.0	73.0	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 18000	62.7	72.9	73.0	73.0	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 16000	62.7	72.9	73.0	73.0	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 14000	63.2	73.4	73.5	73.5	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 12000	63.8	74.2	74.3	74.3	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 10000	67.4	78.5	78.6	78.6	78.7	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 9000	67.6	78.7	78.8	78.8	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 8000	69.2	81.7	81.9	81.9	82.0	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 7000	70.5	83.4	83.7	83.7	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 6000	70.9	84.1	84.3	84.3	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
5000	71.4	85.4	85.6	85.6	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
> 4500	72.2	86.1	86.5	86.5	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
4000	72.9	87.1	87.8	87.8	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3500	73.1	87.5	88.4	88.4	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
3000	73.7	88.1	88.9	89.0	89.5	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	73.8	88.2	89.1	89.4	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2000	73.9	88.3	89.2	89.5	89.9	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1800	73.9	88.5	89.5	89.7	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
1500	74.2	88.8	89.8	90.0	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1200	74.7	89.4	90.3	90.5	91.0	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
1000	74.8	90.2	91.2	91.4	91.9	92.0	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
> 900	75.2	90.9	91.9	92.4	92.9	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
800	75.4	91.2	92.3	92.7	93.2	93.3	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 700	75.4	91.4	92.6	93.0	93.7	93.8	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
600	75.4	91.4	92.8	93.4	94.7	94.8	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	75.5	91.8	93.2	94.2	95.5	95.6	96.0	96.2	96.2	96.3	96.3	96.3	96.5	96.5	96.5	96.5
400	75.5	91.8	93.7	94.8	96.2	96.5	97.1	97.4	97.4	98.0	98.0	98.0	98.1	98.1	98.1	98.1
> 300	75.6	92.2	94.0	95.2	96.7	97.2	98.0	98.3	98.3	98.8	98.9	98.9	99.0	99.0	99.0	99.0
200	75.6	92.3	94.1	95.4	97.0	97.5	98.5	99.0	99.0	99.6	99.7	99.7	99.8	99.8	99.8	99.8
≥ 100	75.6	92.3	94.1	95.4	97.0	97.5	98.5	99.0	99.0	99.6	99.7	99.7	99.9	99.9	99.9	100.0
< 100	75.6	92.3	94.1	95.4	97.0	97.5	98.5	99.0	99.0	99.6	99.7	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	51.2	61.6	62.6	62.9	63.2	63.4	63.5	63.5	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.8
≥ 20000	53.3	65.1	66.3	66.6	67.0	67.2	67.3	67.3	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.6
≥ 18000	53.3	65.1	66.3	66.7	67.1	67.2	67.3	67.4	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6
≥ 16000	53.3	65.2	66.4	66.7	67.1	67.3	67.4	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.7
≥ 14000	53.7	65.6	66.9	67.2	67.6	67.8	67.9	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.2	68.2
≥ 12000	54.7	66.9	68.2	68.6	69.0	69.2	69.3	69.3	69.4	69.5	69.5	69.5	69.5	69.5	69.6	69.6
≥ 10000	57.6	70.8	72.2	72.5	73.0	73.2	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.6	73.6
≥ 9000	58.1	71.5	72.9	73.3	73.7	73.9	74.0	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.4
≥ 8000	59.7	74.1	75.7	76.1	76.6	76.7	76.8	76.9	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.2
≥ 7000	60.5	75.3	76.9	77.4	77.9	78.1	78.1	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.5	78.5
≥ 6000	61.0	76.3	78.0	78.5	79.0	79.2	79.3	79.4	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.7
≥ 5000	62.2	78.4	80.3	80.9	81.5	81.7	81.8	81.9	82.0	82.1	82.1	82.1	82.2	82.2	82.2	82.2
≥ 4500	62.6	79.0	81.0	81.6	82.2	82.4	82.6	82.6	82.7	82.7	82.9	82.9	82.9	82.9	82.9	83.0
≥ 4000	63.6	80.5	82.8	83.5	84.2	84.5	84.6	84.7	84.7	84.8	84.9	84.9	84.9	84.9	84.9	85.0
≥ 3500	64.0	81.2	83.5	84.2	85.0	85.3	85.4	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.8	85.8
≥ 3000	64.5	82.1	84.6	85.3	86.2	86.5	86.6	86.7	86.8	86.9	86.9	86.9	87.0	87.0	87.0	87.0
≥ 2500	64.8	82.8	85.4	86.3	87.2	87.5	87.6	87.7	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.1
≥ 2000	65.2	83.7	86.3	87.2	88.2	88.5	88.6	88.7	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.1
≥ 1800	65.3	84.0	86.7	87.6	88.5	88.9	89.0	89.1	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.5
≥ 1500	65.5	84.4	87.2	88.2	89.2	89.5	89.6	89.7	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.1
≥ 1200	65.8	84.9	87.8	88.9	89.9	90.2	90.4	90.6	90.7	90.8	90.8	90.8	90.9	90.9	90.9	90.9
≥ 1000	66.0	85.6	88.7	89.9	90.9	91.2	91.6	91.7	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.1
≥ 900	66.2	85.9	89.0	90.3	91.5	91.8	92.1	92.3	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.7
≥ 800	66.3	86.1	89.3	90.7	91.9	92.3	92.7	92.9	92.9	93.1	93.1	93.2	93.2	93.2	93.2	93.3
≥ 700	66.3	86.3	89.7	91.2	92.6	92.9	93.4	93.7	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.1
≥ 600	66.4	86.5	89.9	91.6	93.1	93.5	94.1	94.4	94.5	94.7	94.8	94.8	94.8	94.8	94.9	94.9
≥ 500	66.4	86.7	90.1	91.9	93.7	94.1	94.8	95.3	95.4	95.6	95.7	95.8	95.9	95.9	95.9	95.9
≥ 400	66.5	86.8	90.4	92.4	94.3	94.9	95.8	96.5	96.6	96.9	97.0	97.1	97.2	97.2	97.2	97.2
≥ 300	66.5	86.9	90.5	92.5	94.5	95.4	96.5	97.4	97.6	98.1	98.3	98.4	98.5	98.5	98.5	98.6
≥ 200	66.5	86.9	90.5	92.6	94.7	95.6	96.7	97.9	98.2	98.6	98.9	98.9	99.1	99.2	99.3	99.4
≥ 100	66.5	86.9	90.5	92.6	94.7	95.6	96.7	97.9	98.2	98.7	99.0	99.1	99.3	99.4	99.5	99.9
≥ 0	66.5	86.9	90.5	92.6	94.7	95.6	96.7	97.9	98.2	98.7	99.0	99.1	99.3	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING, FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	61.6	70.0	71.1	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9
≥ 20000	63.7	72.8	73.9	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7
≥ 18000	63.7	72.8	73.9	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7
≥ 16000	63.7	72.8	73.9	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7
≥ 14000	64.6	73.7	74.8	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.6
≥ 12000	65.6	74.8	75.9	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7
≥ 10000	66.4	76.9	78.0	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1
≥ 9000	67.3	78.0	79.1	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2
≥ 8000	68.6	79.9	81.0	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1
≥ 7000	69.7	81.3	82.4	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.6
≥ 6000	70.8	82.7	83.8	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9
≥ 5000	72.3	84.9	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3
≥ 4500	72.7	85.2	86.6	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8
≥ 4000	73.3	86.2	87.6	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8
≥ 3500	74.0	87.0	88.4	89.1	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7
≥ 3000	74.2	87.3	88.8	89.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0
≥ 2500	74.8	88.0	89.7	90.3	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9
≥ 2000	75.6	89.1	90.9	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.1
≥ 1800	75.6	89.2	91.0	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2
≥ 1500	75.6	89.2	91.2	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.6
≥ 1200	75.9	90.0	92.0	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4
≥ 1000	75.9	90.3	92.3	93.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9
≥ 900	75.9	90.4	92.4	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.1
≥ 800	76.1	90.8	92.8	93.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.6
≥ 700	76.4	91.2	93.3	94.6	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6
≥ 600	76.7	91.8	94.0	95.2	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2
≥ 500	76.7	92.0	94.6	96.2	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.6
≥ 400	76.7	92.2	95.1	96.8	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.4
≥ 300	76.7	92.3	95.4	97.1	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1
≥ 200	76.7	92.3	95.4	97.1	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.7	99.8
≥ 100	76.7	92.3	95.4	97.2	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.8	100.0
≥ 0	76.7	92.3	95.4	97.2	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTFR

66-73, 74-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥0
NO CEILING	54.7	65.7	67.4	67.8	68.3	68.3	68.4	68.6	68.7	68.7	68.9	68.9	69.0	69.0	69.0	69.0
≥ 20000	56.2	68.3	70.1	70.6	71.2	71.2	71.3	71.4	71.6	71.6	71.8	71.8	71.9	71.9	71.9	71.9
≥ 18000	56.3	68.4	70.2	70.7	71.3	71.3	71.4	71.6	71.7	71.7	71.9	71.9	72.0	72.0	72.0	72.0
≥ 16000	56.6	68.7	70.4	70.9	71.6	71.6	71.7	71.8	71.9	71.9	72.1	72.1	72.2	72.2	72.2	72.2
≥ 14000	56.8	68.9	70.7	71.1	71.8	71.8	71.9	72.0	72.1	72.1	72.3	72.3	72.4	72.4	72.4	72.4
≥ 12000	57.8	69.9	71.7	72.1	72.8	72.8	72.9	73.0	73.1	73.1	73.3	73.3	73.4	73.4	73.4	73.4
≥ 10000	59.6	72.2	74.4	74.9	75.6	75.6	75.7	75.8	75.9	75.9	76.1	76.1	76.2	76.2	76.2	76.2
≥ 9000	60.4	73.2	75.4	75.9	76.6	76.6	76.7	76.8	76.9	76.9	77.1	77.1	77.2	77.2	77.2	77.2
≥ 8000	61.8	74.9	77.1	77.6	78.2	78.2	78.3	78.4	78.6	78.6	78.8	78.8	78.9	78.9	78.9	78.9
≥ 7000	63.0	76.2	78.4	78.9	79.6	79.6	79.7	79.8	79.9	79.9	80.1	80.1	80.2	80.2	80.2	80.2
≥ 6000	63.3	76.8	79.0	79.4	80.1	80.1	80.2	80.3	80.4	80.4	80.7	80.7	80.8	80.8	80.8	80.8
≥ 5000	63.9	77.6	79.9	80.3	81.0	81.0	81.1	81.2	81.3	81.3	81.6	81.6	81.7	81.7	81.7	81.7
≥ 4500	64.7	78.4	80.9	81.3	82.0	82.0	82.1	82.2	82.3	82.3	82.6	82.6	82.7	82.7	82.7	82.7
≥ 4000	65.6	79.8	82.2	82.7	83.3	83.3	83.4	83.6	83.7	83.7	83.9	83.9	84.0	84.0	84.0	84.0
≥ 3500	66.7	81.1	83.7	84.2	84.9	84.9	85.0	85.1	85.2	85.2	85.4	85.4	85.6	85.6	85.6	85.6
≥ 3000	67.0	81.4	84.0	84.6	85.3	85.3	85.4	85.6	85.7	85.7	85.9	85.9	86.0	86.0	86.0	86.0
≥ 2500	67.3	82.0	84.9	85.4	86.3	86.3	86.4	86.6	86.7	86.7	86.9	86.9	87.0	87.0	87.0	87.0
≥ 2000	67.7	82.7	85.7	86.2	87.1	87.2	87.3	87.4	87.6	87.6	87.8	87.8	87.9	87.9	87.9	87.9
≥ 1900	67.7	82.7	85.7	86.2	87.1	87.2	87.3	87.4	87.6	87.6	87.8	87.8	87.9	87.9	87.9	87.9
≥ 1800	68.0	83.3	86.7	87.2	88.1	88.2	88.3	88.4	88.6	88.6	88.8	88.8	88.9	88.9	88.9	88.9
≥ 1700	68.3	83.7	87.0	87.6	88.4	88.6	88.7	88.8	88.9	88.9	89.1	89.1	89.2	89.2	89.2	89.2
≥ 1600	68.8	84.6	88.0	88.7	89.6	89.7	89.8	89.9	90.0	90.0	90.2	90.2	90.3	90.3	90.3	90.3
≥ 1500	68.8	84.7	88.1	88.8	89.7	89.8	89.9	90.0	90.1	90.1	90.3	90.3	90.4	90.4	90.4	90.4
≥ 1400	69.1	85.2	88.8	89.4	90.3	90.4	90.6	90.7	90.8	90.8	91.0	91.0	91.1	91.1	91.1	91.1
≥ 1300	69.6	85.8	89.6	90.4	91.4	91.6	91.7	91.8	91.9	91.9	92.1	92.1	92.2	92.2	92.3	92.3
≥ 1200	69.8	86.0	90.0	91.2	92.1	92.2	92.6	92.7	92.8	92.8	93.0	93.0	93.1	93.1	93.2	93.2
≥ 1100	69.8	85.9	91.8	93.2	94.2	94.4	94.8	94.9	95.0	95.0	95.2	95.2	95.3	95.3	95.4	95.4
≥ 1000	69.8	87.0	92.6	94.2	95.3	95.7	96.2	96.3	96.4	96.4	96.7	96.7	96.8	96.8	96.9	97.0
≥ 900	69.8	87.0	92.6	94.6	95.7	96.0	96.6	96.7	96.9	96.9	97.2	97.2	97.6	97.7	97.8	97.9
≥ 800	69.8	87.0	92.6	94.6	95.7	96.0	96.6	96.7	96.9	96.9	97.4	97.4	97.8	98.0	98.1	98.3
≥ 700	69.8	87.0	92.6	94.6	95.7	96.0	96.6	96.7	96.9	96.9	97.6	97.6	98.0	98.4	98.8	99.6
≥ 600	69.8	87.0	92.6	94.6	95.7	96.0	96.6	96.7	96.9	96.9	97.6	97.6	98.0	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTFR
STATION NAME

66-70, 74-78
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 0
NO CEILING	33.1	50.9	55.2	58.8	60.2	60.8	60.8	60.9	61.0	61.1	61.2	61.2	61.7	62.0	62.1	62.3
≥ 20000	34.7	55.1	59.6	63.1	64.7	65.2	65.3	65.4	65.7	65.9	66.0	66.0	66.4	66.8	66.9	67.2
≥ 18000	34.7	55.1	59.6	63.1	64.7	65.2	65.3	65.4	65.7	65.9	66.0	66.0	66.4	66.8	66.9	67.2
≥ 16000	34.7	55.1	59.6	63.1	64.7	65.2	65.3	65.4	65.7	65.9	66.0	66.0	66.4	66.8	66.9	67.2
≥ 14000	34.8	55.2	60.0	63.7	65.2	65.8	65.9	66.0	66.2	66.4	66.6	66.6	67.0	67.3	67.4	67.8
≥ 12000	35.6	56.3	61.2	64.9	66.4	67.0	67.1	67.2	67.4	67.7	67.8	67.8	68.2	68.6	68.7	69.0
≥ 10000	37.8	60.1	65.2	68.9	70.6	71.1	71.2	71.4	71.7	71.9	72.0	72.0	72.4	72.8	72.9	73.2
≥ 9000	37.9	60.4	65.7	69.4	71.1	71.7	71.8	72.0	72.2	72.4	72.6	72.6	73.0	73.3	73.4	73.8
≥ 8000	39.1	62.6	68.0	72.2	73.9	74.4	74.6	74.8	75.0	75.2	75.3	75.3	75.8	76.1	76.2	76.6
≥ 7000	39.8	63.8	69.7	74.0	75.7	76.2	76.3	76.6	76.8	77.0	77.1	77.1	77.6	77.9	78.0	78.3
≥ 6000	40.4	65.0	70.9	75.2	76.9	77.4	77.6	77.8	78.0	78.2	78.3	78.3	78.8	79.1	79.2	79.6
≥ 5000	41.2	66.6	72.4	76.9	78.6	79.1	79.2	79.4	79.7	79.9	80.0	80.0	80.4	80.9	81.0	81.3
≥ 4500	41.3	66.8	72.9	77.7	79.3	79.9	80.0	80.2	80.4	80.7	80.8	80.8	81.2	81.7	81.8	82.1
≥ 4000	41.8	67.8	73.7	78.9	80.6	81.1	81.2	81.4	81.7	81.9	82.0	82.0	82.4	82.9	83.0	83.3
≥ 3500	42.2	68.4	74.6	79.6	81.2	81.8	81.9	82.1	82.3	82.6	82.7	82.7	83.1	83.6	83.7	84.0
≥ 3000	42.6	69.2	75.4	80.4	82.2	82.8	82.9	83.1	83.3	83.6	83.7	83.7	84.1	84.6	84.8	85.1
≥ 2500	42.8	70.1	76.7	82.0	83.9	84.4	84.6	84.8	85.0	85.2	85.3	85.3	85.8	86.2	86.4	86.8
≥ 2000	43.0	70.7	77.2	82.6	84.4	85.0	85.2	85.4	85.7	85.9	86.0	86.0	86.4	86.9	87.1	87.4
≥ 1800	43.2	71.0	77.6	83.1	85.1	85.7	85.9	86.1	86.3	86.6	86.7	86.7	87.1	87.6	87.8	88.1
≥ 1500	43.6	71.7	78.2	83.9	85.9	86.4	86.7	86.9	87.1	87.3	87.4	87.4	87.9	88.3	88.6	88.9
≥ 1200	43.6	72.3	79.1	84.8	86.8	87.4	87.9	88.1	88.3	88.6	88.7	88.7	89.1	89.6	89.8	90.1
≥ 1000	44.0	73.4	80.3	86.0	88.0	88.7	89.1	89.3	89.6	89.8	89.9	89.9	90.3	90.8	91.0	91.3
≥ 900	44.2	74.0	80.9	86.8	88.9	89.6	90.0	90.2	90.4	90.7	90.8	90.8	91.2	91.7	91.9	92.2
≥ 800	44.3	74.2	81.1	87.4	89.6	90.2	90.7	90.9	91.1	91.3	91.4	91.4	91.9	92.3	92.6	92.9
≥ 700	44.4	74.7	81.7	88.1	90.4	91.1	91.6	91.8	92.0	92.2	92.3	92.3	92.8	93.2	93.4	93.8
≥ 600	44.4	74.8	81.9	88.6	91.3	92.0	92.4	92.7	92.9	93.1	93.2	93.2	93.7	94.1	94.3	94.7
≥ 500	44.7	75.0	82.2	89.2	92.1	92.9	93.6	93.8	94.1	94.3	94.4	94.4	94.9	95.3	95.6	95.9
≥ 400	44.7	75.0	82.2	89.2	92.2	93.2	93.9	94.2	94.6	95.0	95.1	95.2	95.7	96.1	96.3	96.8
≥ 300	44.7	75.0	82.2	89.2	92.2	93.3	94.1	94.6	94.9	95.4	95.8	96.0	96.6	97.0	97.2	97.7
≥ 200	44.7	75.0	82.2	89.2	92.2	93.6	94.3	94.9	95.4	96.0	96.4	96.7	97.6	98.2	98.6	99.3
≥ 100	44.7	75.0	82.2	89.2	92.2	93.6	94.3	94.9	95.4	96.2	96.7	96.9	97.9	98.7	99.0	100.0
≥ 0	44.7	75.0	82.2	89.2	92.2	93.6	94.3	94.9	95.4	96.2	96.7	96.9	97.9	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING ≥ 7000	48.6	63.1	63.7	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 18000	51.3	68.0	69.0	69.1	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 6000	51.4	68.1	69.1	69.2	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 14000	51.8	68.8	69.9	70.0	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 2000	52.9	70.4	71.7	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000	57.2	75.4	76.8	77.0	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 9000	57.2	75.4	76.8	77.1	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 8000	58.6	78.0	79.3	79.7	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 7000	59.0	78.7	80.0	80.3	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 6000	59.2	79.0	80.3	80.7	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 5000	60.1	80.2	81.6	82.1	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500	60.8	81.1	82.4	83.0	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4000	61.7	82.3	83.7	84.3	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3500	62.2	83.0	84.4	85.1	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3000	62.8	84.4	86.1	86.9	87.3	87.4	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500	63.6	86.1	88.0	88.8	89.2	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2000	64.2	87.2	89.3	90.1	90.6	90.9	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	64.4	87.4	89.7	90.4	90.9	91.2	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1500	65.0	88.7	91.0	92.0	92.4	92.8	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	65.4	90.2	93.1	94.2	94.8	95.1	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1000	65.9	91.0	93.9	95.0	95.6	95.9	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	65.9	91.1	94.0	95.2	95.8	96.1	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	66.3	91.7	94.6	95.9	96.4	96.8	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	66.4	91.8	94.7	96.0	96.6	96.9	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	66.6	91.9	94.9	96.3	96.9	97.3	97.8	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	66.7	92.0	95.0	96.4	97.0	97.4	98.0	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	66.7	92.0	95.1	96.6	97.2	97.7	98.6	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	66.7	92.0	95.1	96.6	97.3	97.8	98.7	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	66.7	92.0	95.1	96.6	97.3	97.8	98.7	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	66.7	92.0	95.1	96.6	97.3	97.8	98.7	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	66.7	92.0	95.1	96.6	97.3	97.8	98.7	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	53.9	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 20000	58.0	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 18000	58.1	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	58.3	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 14000	59.0	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 12000	60.2	73.6	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 10000	63.0	77.6	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 9000	63.4	78.1	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 8000	64.2	79.4	79.9	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 7000	65.6	81.3	81.8	82.0	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 6000	65.8	82.0	82.4	82.7	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 5000	66.9	83.7	84.1	84.3	84.6	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4500	68.0	84.9	85.4	85.7	86.0	86.0	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4000	69.4	87.1	87.7	87.9	88.3	88.3	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3500	71.2	89.4	90.0	90.2	90.7	90.7	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3000	72.2	90.7	91.2	91.4	91.9	92.0	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2500	73.1	92.2	92.9	93.1	93.6	93.8	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000	73.9	93.7	94.9	95.1	95.6	95.8	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1800	73.9	93.7	94.9	95.1	95.7	95.9	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1500	74.2	94.9	96.1	96.3	97.0	97.2	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	74.2	95.1	96.3	96.6	97.2	97.4	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	74.3	95.3	96.6	96.8	97.4	97.7	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900	74.3	95.3	96.6	96.8	97.4	97.7	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	74.3	95.4	96.8	97.0	97.8	98.1	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	74.3	95.4	96.8	97.0	97.8	98.1	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	74.6	95.7	97.0	97.2	98.0	98.3	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	74.6	95.7	97.0	97.2	98.1	98.4	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	74.6	95.7	97.0	97.2	98.2	98.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	74.6	95.7	97.0	97.2	98.2	98.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	74.6	95.7	97.0	97.2	98.2	98.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	74.6	95.7	97.0	97.2	98.2	98.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	74.6	95.7	97.0	97.2	98.2	98.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	55.4	64.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥20000	60.7	73.1	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥18000	60.8	73.3	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥16000	61.0	73.6	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥14000	61.7	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥12000	63.6	76.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥10000	66.4	80.9	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥9000	67.0	81.6	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥8000	67.8	82.9	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥7000	69.1	85.1	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥6000	70.7	86.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥5000	71.8	88.1	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥4500	72.2	88.9	90.1	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥4000	73.9	91.0	92.3	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥3500	75.0	92.1	93.4	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥3000	76.0	93.3	94.8	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥2500	76.4	93.9	95.3	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥2000	76.6	94.6	96.1	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥1800	76.8	94.8	96.3	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥1500	77.0	95.2	96.8	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥1200	77.1	95.6	97.1	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥1000	77.2	96.1	97.7	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥900	77.2	96.1	97.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥800	77.3	96.2	97.8	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥700	77.3	96.4	98.0	98.3	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥600	77.3	96.4	98.0	98.3	99.1	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥500	77.3	96.4	98.0	98.3	99.1	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥400	77.3	96.4	98.0	98.3	99.1	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥300	77.3	96.4	98.0	98.4	99.2	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	77.3	96.4	98.0	98.4	99.2	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	77.3	96.4	98.0	98.4	99.2	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

65-70,74-78
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	57.8	67.1	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 20000	63.0	75.1	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 18000	63.6	75.8	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 16000	63.6	75.9	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 14000	64.1	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 12000	66.3	79.2	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 10000	68.4	83.0	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 9000	68.7	83.2	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 8000	69.7	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 7000	71.3	86.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 6000	72.4	88.0	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 5000	73.4	89.3	90.2	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 4500	74.2	90.4	91.3	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 4000	75.3	91.7	92.6	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 3500	75.8	92.6	93.4	93.7	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 3000	76.6	93.7	94.7	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500	76.6	93.7	94.7	94.9	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2000	77.0	94.3	95.7	95.9	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	77.0	94.3	95.7	96.0	96.6	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1500	77.1	94.6	95.9	96.2	96.9	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	77.2	94.9	96.2	96.6	97.3	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	77.3	95.0	96.3	96.7	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900	77.3	95.0	96.3	96.7	97.6	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	77.4	95.1	96.4	96.8	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	77.4	95.1	96.4	96.8	97.9	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	77.4	95.1	96.4	96.8	97.9	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	77.4	95.2	96.6	96.9	98.2	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	77.4	95.2	96.6	96.9	98.3	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	77.4	95.2	96.6	96.9	98.3	99.1	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	77.4	95.2	96.6	96.9	98.3	99.1	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	77.4	95.2	96.6	96.9	98.3	99.1	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	77.4	95.2	96.6	96.9	98.3	99.1	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-76, 74-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	62.1	70.6	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 20000	64.9	75.3	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 18000	65.0	75.4	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 16000	65.0	75.4	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 14000	65.7	76.2	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 12000	68.0	78.9	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 10000	70.3	82.2	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 9000	70.6	82.7	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 8000	71.9	84.2	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 7000	73.8	86.6	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 6000	75.0	88.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 5000	76.4	90.1	91.2	91.4	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4500	76.4	90.4	91.6	91.8	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 4000	77.4	92.0	93.2	93.4	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 3500	78.1	93.0	94.2	94.4	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 3000	78.1	93.0	94.2	94.4	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2500	78.2	93.3	94.6	94.8	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000	78.4	93.9	95.1	95.3	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1800	78.4	93.9	95.1	95.3	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1500	78.4	93.9	95.1	95.3	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	78.6	94.3	95.8	95.8	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	78.7	94.8	96.3	96.6	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	78.7	94.9	96.6	96.8	97.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	78.7	94.9	96.6	96.8	97.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	78.7	95.0	96.7	97.0	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	78.7	95.1	96.8	97.1	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	78.8	95.3	97.0	97.4	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	78.9	95.6	97.2	97.7	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
≥ 300	78.9	95.6	97.2	97.9	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6	99.6
≥ 200	78.9	95.6	97.2	97.9	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6	99.6
≥ 100	79.0	95.7	97.3	98.0	98.9	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.9	100.0
≥ 0	79.0	95.7	97.3	98.0	98.9	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 500

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 11 51

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01	≥ 0
NO CEILING ≥ 20000	53.4	64.3	65.6	66.1	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.8
≥ 18000	56.6	69.9	71.2	71.8	72.1	72.2	72.3	72.3	72.3	72.3	72.4	72.4	72.5	72.5	72.5	72.6
≥ 16000	56.7	70.0	71.4	71.9	72.3	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.6	72.7	72.7
≥ 14000	56.8	70.1	71.5	72.0	72.4	72.5	72.5	72.5	72.6	72.6	72.7	72.7	72.7	72.8	72.8	72.8
≥ 12000	57.3	70.7	72.1	72.7	73.1	73.1	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.4	73.4	73.5
≥ 10000	58.7	72.5	73.9	74.5	74.9	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.2	75.3	75.3
≥ 9000	61.2	76.0	77.6	78.2	78.6	78.7	78.7	78.8	78.8	78.8	78.9	78.9	78.9	78.9	79.0	79.1
≥ 8000	61.6	76.6	78.1	78.8	79.2	79.3	79.3	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.6	79.6
≥ 7000	62.7	78.3	79.9	80.7	81.0	81.1	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.4	81.4	81.5
≥ 6000	63.9	79.9	81.6	82.4	82.8	82.9	82.9	82.9	83.0	83.0	83.1	83.1	83.1	83.2	83.2	83.2
≥ 5000	64.7	81.0	82.8	83.5	83.9	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.4
≥ 4500	65.8	82.6	84.4	85.2	85.7	85.7	85.8	85.8	85.9	85.9	86.0	86.0	86.0	86.1	86.1	86.2
≥ 4000	66.3	83.3	85.2	86.1	86.6	86.7	86.7	86.8	86.8	86.8	86.9	86.9	86.9	87.0	87.0	87.1
≥ 3500	67.3	84.7	86.6	87.6	88.1	88.2	88.3	88.3	88.4	88.4	88.5	88.5	88.5	88.6	88.6	88.7
≥ 3000	68.2	85.8	87.8	88.8	89.3	89.4	89.5	89.5	89.6	89.6	89.7	89.7	89.7	89.8	89.8	89.8
≥ 2500	68.7	86.6	88.7	89.7	90.3	90.4	90.5	90.5	90.6	90.6	90.7	90.7	90.7	90.8	90.8	90.9
≥ 2000	69.1	87.4	89.6	90.6	91.3	91.4	91.5	91.6	91.7	91.7	91.7	91.7	91.8	91.8	91.9	91.9
≥ 1800	69.5	88.3	90.6	91.7	92.3	92.5	92.7	92.8	92.8	92.8	92.9	92.9	93.0	93.0	93.0	93.1
≥ 1500	69.6	88.4	90.7	91.8	92.5	92.7	92.8	93.0	93.0	93.0	93.1	93.1	93.2	93.2	93.2	93.3
≥ 1200	69.9	88.9	91.4	92.5	93.3	93.5	93.6	93.7	93.8	93.8	93.8	93.8	93.9	94.0	94.0	94.1
≥ 1000	70.0	89.5	92.1	93.2	94.0	94.2	94.4	94.5	94.6	94.6	94.6	94.6	94.7	94.8	94.8	94.8
≥ 900	70.3	90.1	92.7	93.8	94.7	94.9	95.1	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.5	95.5
≥ 800	70.3	90.2	92.8	94.0	94.9	95.1	95.3	95.4	95.5	95.5	95.5	95.5	95.6	95.7	95.7	95.8
≥ 700	70.5	90.4	93.1	94.4	95.3	95.5	95.7	95.8	95.9	95.9	96.0	96.0	96.0	96.1	96.1	96.2
≥ 600	70.6	90.7	93.4	94.8	95.7	96.0	96.2	96.3	96.4	96.4	96.5	96.5	96.6	96.6	96.7	96.7
≥ 500	70.7	90.8	93.6	95.1	96.1	96.4	96.7	96.8	96.9	97.0	97.0	97.0	97.1	97.1	97.2	97.2
≥ 400	70.7	91.1	94.0	95.6	96.8	97.1	97.5	97.6	97.6	97.8	97.8	97.8	97.9	98.0	98.0	98.1
≥ 300	70.8	91.1	94.2	95.9	97.1	97.5	98.0	98.3	98.4	98.4	98.5	98.5	98.6	98.7	98.7	98.8
≥ 200	70.8	91.2	94.3	96.0	97.3	97.7	98.3	98.5	98.7	98.8	98.9	98.9	99.0	99.1	99.2	99.3
≥ 100	70.8	91.2	94.3	96.0	97.3	97.8	98.3	98.6	98.8	98.9	99.1	99.1	99.3	99.4	99.5	99.6
≥ 0	70.8	91.2	94.3	96.0	97.3	97.8	98.4	98.7	98.8	99.0	99.1	99.2	99.4	99.6	99.7	99.9

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
TEXTS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.1	≥.05	≥.01
NO CEILING	48.7	62.9	65.2	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.5	66.6
≥ 20000	50.3	65.2	67.5	68.6	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	69.0
≥ 18000	50.3	65.2	67.5	68.6	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	69.0
≥ 16000	50.3	65.2	67.5	68.6	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	69.0
≥ 14000	50.4	65.3	67.8	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.4
≥ 12000	51.0	65.9	68.5	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	70.0
≥ 10000	53.8	69.1	72.2	73.2	73.4	73.4	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9	74.0
≥ 9000	54.0	69.4	72.5	73.5	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.3
≥ 8000	55.1	71.1	74.3	75.4	75.6	75.6	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.0	76.1
≥ 7000	56.1	72.9	76.2	77.6	77.8	77.8	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.4
≥ 6000	57.0	74.3	77.7	79.1	79.4	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.9
≥ 5000	58.1	75.9	79.7	81.1	81.3	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.8
≥ 4500	58.4	76.5	80.3	81.8	82.0	82.0	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.6
≥ 4000	59.6	78.0	81.8	83.3	83.5	83.5	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.1
≥ 3500	59.8	78.3	82.3	83.9	84.1	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.6
≥ 3000	60.0	79.0	83.4	85.1	85.3	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.8
≥ 2500	60.3	79.4	83.8	85.4	85.6	85.6	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.1
≥ 2000	60.9	80.4	84.8	86.6	86.8	86.8	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.4
≥ 1800	60.9	80.4	85.1	86.8	87.1	87.1	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6	87.7
≥ 1500	61.6	81.8	86.5	88.3	88.6	88.6	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.2
≥ 1200	61.8	82.5	87.3	89.2	89.6	89.6	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.2
≥ 1000	62.3	83.5	88.5	90.5	91.2	91.2	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.9
≥ 900	62.3	83.5	88.5	90.5	91.2	91.2	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9	92.0
≥ 800	62.5	83.9	89.2	91.5	92.2	92.2	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9	93.0
≥ 700	62.8	84.4	89.9	92.4	93.1	93.3	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.3
≥ 600	63.0	85.1	91.0	93.5	94.3	94.5	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.5
≥ 500	63.1	85.2	91.1	93.8	94.8	95.2	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.3
≥ 400	63.1	85.3	91.4	94.2	95.6	95.9	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.2
≥ 300	63.1	85.4	91.7	94.5	96.1	96.5	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.8	98.0	98.1
≥ 200	63.1	85.5	91.8	94.7	96.8	97.1	98.6	98.9	98.9	98.9	98.9	99.0	99.0	99.1	99.4	99.5
≥ 100	63.1	85.5	91.8	94.7	96.8	97.1	98.6	98.9	98.9	98.9	98.9	99.0	99.0	99.1	99.4	99.5
≥ 0	63.1	85.5	91.8	94.7	96.8	97.1	98.6	98.9	98.9	98.9	98.9	99.0	99.0	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

PAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS U.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	35.8	51.1	55.7	57.8	59.4	59.5	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.3	60.5
≥ 18000 ≥ 15000	37.0	52.6	57.3	59.6	61.3	61.4	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.2	62.3	62.7
≥ 14000 ≥ 12000	37.0	52.6	57.3	59.6	61.3	61.4	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.2	62.3	62.7
≥ 10000 9000	37.1	52.8	57.5	59.8	61.5	61.6	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.5	62.9
≥ 8000 7000	38.1	54.1	58.8	61.1	62.8	62.9	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.7	63.8	64.2
≥ 6000 5000	39.7	56.5	61.3	63.8	65.6	65.7	66.1	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.8	67.2
≥ 4500 4000	39.9	56.8	61.6	64.1	65.9	66.0	66.5	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.1	67.5
≥ 3500 3000	41.1	58.5	63.4	65.9	67.8	68.0	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.9	69.0	69.5
≥ 2500 2000	42.3	61.1	66.3	69.0	71.0	71.1	71.5	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.2	72.6
≥ 1800 1500	42.7	62.3	68.0	71.1	73.0	73.1	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.2	74.6
≥ 1200 1000	43.7	63.4	69.4	73.0	74.9	75.1	75.5	75.9	76.0	76.0	76.0	76.0	76.0	76.1	76.2	76.7
≥ 900 800	43.9	63.7	69.9	73.7	75.6	75.7	76.1	76.6	76.7	76.7	76.7	76.7	76.7	76.8	76.9	77.3
≥ 700 600	44.7	64.7	71.0	74.7	76.7	76.8	77.2	77.6	77.7	77.7	77.7	77.7	77.7	77.8	78.0	78.4
≥ 500 400	44.9	65.1	71.5	75.3	77.2	77.3	77.7	78.2	78.3	78.3	78.3	78.3	78.3	78.4	78.5	78.9
≥ 300 200	44.9	65.2	71.6	75.5	77.5	77.6	78.1	78.5	78.6	78.6	78.6	78.6	78.6	78.7	78.8	79.2
≥ 100 0	45.3	65.6	72.0	75.9	78.0	78.1	78.5	78.9	79.0	79.0	79.0	79.0	79.0	79.1	79.2	79.8
	46.3	67.2	73.7	77.6	79.8	79.9	80.4	80.9	81.0	81.0	81.0	81.0	81.0	81.1	81.2	81.7
	46.8	68.2	74.7	78.8	81.0	81.1	81.6	82.0	82.2	82.2	82.2	82.2	82.2	82.3	82.4	82.9
	47.4	69.4	75.9	80.3	82.8	82.9	83.5	84.0	84.1	84.1	84.1	84.1	84.1	84.2	84.3	84.8
	47.7	69.7	76.6	81.4	84.0	84.1	84.7	85.2	85.3	85.3	85.3	85.3	85.3	85.4	85.5	86.0
	48.2	70.2	77.1	82.0	84.8	84.9	85.7	86.1	86.2	86.2	86.2	86.2	86.2	86.3	86.5	87.0
	48.2	70.3	77.3	82.3	85.1	85.3	86.0	86.5	86.6	86.6	86.6	86.6	86.6	86.7	86.8	87.3
	48.5	70.9	78.1	83.3	86.8	87.0	87.8	88.3	88.4	88.4	88.4	88.4	88.4	88.5	88.6	89.1
	48.7	71.4	78.8	84.2	88.1	88.4	89.2	89.9	90.0	90.0	90.0	90.0	90.0	90.1	90.2	90.8
	48.8	71.8	79.2	84.7	89.7	90.0	91.2	91.8	91.9	91.9	91.9	91.9	91.9	92.0	92.2	92.7
	48.8	71.9	79.9	85.5	91.5	91.8	93.0	93.7	93.8	93.8	93.8	93.8	93.8	93.9	94.0	94.5
	48.8	72.0	80.0	85.8	92.2	92.5	93.8	94.8	94.9	95.1	95.2	95.2	95.2	95.3	95.4	95.9
	48.8	72.0	80.0	85.8	92.2	92.6	94.0	95.1	95.2	95.4	95.5	95.5	95.5	95.7	95.9	96.8
	48.8	72.0	80.0	85.8	92.2	92.7	94.3	95.4	95.5	95.7	96.0	96.0	96.0	96.8	97.1	99.0
	48.8	72.0	80.0	85.8	92.2	92.7	94.3	95.4	95.5	95.7	96.0	96.0	96.0	96.8	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS LT ST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	21.2	36.7	42.4	47.4	51.1	51.9	52.8	53.7	53.8	54.1	54.3	54.3	54.3	54.3	54.5	54.7
≥ 20000	22.3	38.6	44.7	50.6	54.5	55.4	56.2	57.1	57.2	57.5	57.7	57.7	57.7	57.7	58.0	58.2
≥ 18000	22.3	38.6	44.7	50.6	54.5	55.4	56.2	57.1	57.2	57.5	57.7	57.7	57.7	57.7	58.0	58.2
≥ 16000	22.3	38.6	44.7	50.6	54.5	55.4	56.2	57.1	57.2	57.5	57.7	57.7	57.7	57.7	58.0	58.2
≥ 14000	22.4	38.7	44.8	50.8	54.6	55.5	56.3	57.2	57.3	57.6	57.8	57.8	57.8	57.8	58.1	58.3
≥ 12000	23.2	40.4	47.2	53.3	57.2	58.1	58.9	59.9	60.0	60.3	60.5	60.5	60.5	60.5	60.8	61.0
≥ 10000	24.7	42.9	50.0	56.5	60.3	61.2	62.2	63.1	63.2	63.5	63.8	63.8	63.8	63.8	64.0	64.2
≥ 9000	24.9	43.1	50.2	56.7	60.5	61.4	62.4	63.3	63.4	63.8	64.0	64.0	64.0	64.0	64.2	64.4
≥ 8000	26.6	46.0	53.4	60.0	64.1	64.9	65.9	66.9	67.0	67.3	67.5	67.5	67.5	67.5	67.7	68.0
≥ 7000	27.0	47.6	55.4	62.3	66.5	67.3	68.3	69.2	69.4	69.7	69.9	69.9	69.9	69.9	70.1	70.3
≥ 6000	27.1	48.7	56.8	63.8	68.5	69.4	70.3	71.3	71.4	71.7	71.9	71.9	71.9	71.9	72.2	72.4
≥ 5000	27.3	49.0	57.1	64.2	69.2	70.1	71.2	72.2	72.4	72.7	72.9	72.9	72.9	72.9	73.1	73.3
≥ 4500	27.3	49.5	57.5	64.8	69.9	70.8	71.8	72.8	73.0	73.3	73.5	73.5	73.5	73.5	73.8	74.0
≥ 4000	27.4	49.8	58.5	65.9	71.2	72.0	73.3	74.3	74.5	74.8	75.1	75.1	75.1	75.1	75.3	75.5
≥ 3500	27.8	50.3	59.0	66.5	71.7	72.6	73.9	74.8	75.1	75.4	75.6	75.6	75.6	75.6	75.8	76.0
≥ 3000	27.8	50.5	59.2	66.7	72.0	72.9	74.2	75.2	75.4	75.7	75.9	75.9	75.9	75.9	76.1	76.3
≥ 2500	28.0	50.8	59.6	67.1	72.6	73.4	74.7	75.7	75.9	76.2	76.5	76.5	76.5	76.5	76.7	76.9
≥ 2000	28.0	51.2	60.1	67.7	73.4	74.3	75.6	76.6	76.8	77.1	77.3	77.3	77.3	77.3	77.5	77.7
≥ 1800	28.3	51.6	60.5	68.2	73.9	74.7	76.0	77.0	77.2	77.5	77.7	77.7	77.7	77.7	78.0	78.2
≥ 1500	28.7	52.7	61.8	69.5	75.2	76.2	77.6	78.6	78.8	79.1	79.4	79.4	79.5	79.5	79.7	79.9
≥ 1200	29.1	53.5	62.8	71.2	77.5	78.9	80.4	81.4	81.6	81.9	82.2	82.2	82.3	82.3	82.5	82.7
≥ 1000	29.5	54.4	63.7	72.6	79.4	80.9	82.5	83.7	83.9	84.2	84.4	84.4	84.5	84.5	84.7	84.9
≥ 900	29.5	54.8	64.1	73.0	79.9	81.4	83.1	84.3	84.5	84.8	85.1	85.1	85.2	85.2	85.4	85.6
≥ 800	29.6	55.2	64.6	74.1	81.1	82.6	84.4	85.7	85.9	86.2	86.5	86.5	86.6	86.6	86.8	87.0
≥ 700	29.6	55.2	64.9	74.7	82.7	84.2	86.0	87.4	87.6	88.0	88.2	88.2	88.3	88.3	88.5	88.7
≥ 600	29.8	55.6	65.5	75.5	83.8	85.6	87.4	88.8	89.1	89.5	89.7	89.7	89.8	89.8	90.0	90.4
≥ 500	29.9	55.8	66.0	76.3	85.5	87.5	89.4	90.9	91.2	91.6	91.8	91.8	91.9	92.0	92.3	92.7
≥ 400	29.9	55.8	66.0	76.7	86.6	88.8	91.3	93.0	93.4	93.9	94.1	94.1	94.3	94.4	94.6	95.1
≥ 300	29.9	55.9	66.1	76.9	86.9	89.1	91.8	93.7	94.1	94.7	95.2	95.3	95.8	95.9	96.1	96.7
≥ 200	29.9	55.9	66.1	76.9	87.0	89.2	91.9	94.2	94.6	95.6	96.2	96.5	97.1	97.4	98.0	98.6
≥ 100	29.9	55.9	66.1	76.9	87.0	89.2	91.9	94.2	94.6	95.6	96.2	96.5	97.2	97.5	98.4	99.5
≥ 0	29.9	55.9	66.1	76.9	87.0	89.2	91.9	94.2	94.6	95.6	96.2	96.5	97.2	97.5	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC

FORM 1-1-64

0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	37.3	54.5	56.2	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 20000	39.6	59.7	61.5	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 18000	39.8	60.0	61.8	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 16000	39.8	60.0	61.8	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000	39.9	60.2	62.0	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 12000	40.6	61.8	63.7	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 10000	42.3	65.5	67.5	68.6	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 9000	42.5	65.8	67.8	68.9	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 8000	43.7	67.7	69.9	71.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 7000	44.0	69.0	71.2	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 6000	44.7	70.5	73.0	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000	45.2	71.9	74.7	76.0	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4500	45.4	72.3	75.2	76.5	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 4000	45.8	73.3	76.2	77.5	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 3500	46.2	74.3	77.2	78.6	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3000	46.8	75.5	78.4	79.8	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 2500	47.3	76.6	79.5	80.9	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2000	48.5	78.8	81.9	83.4	84.5	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	49.0	79.4	82.7	84.2	85.3	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1500	49.7	81.5	85.3	87.1	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1200	50.5	83.3	87.8	89.8	91.2	91.3	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1000	51.0	84.3	89.4	91.6	93.1	93.2	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 900	51.1	84.8	89.9	92.5	94.0	94.1	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 800	51.2	85.5	91.1	94.0	95.7	95.8	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	51.3	85.6	91.3	94.4	96.6	96.7	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	51.3	85.7	91.4	94.6	97.2	97.4	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	51.3	85.8	91.5	94.9	98.0	98.3	98.9	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	51.3	85.8	91.5	94.9	98.0	98.4	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	51.3	85.8	91.5	94.9	98.0	98.4	99.0	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	51.3	85.8	91.5	94.9	98.0	98.4	99.0	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	51.3	85.8	91.5	94.9	98.0	98.4	99.0	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	51.3	85.8	91.5	94.9	98.0	98.4	99.0	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-72

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ 0
NO CEILING	41.5	56.1	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 20000	44.8	61.9	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000	45.4	62.6	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 16000	45.5	62.7	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 14000	46.5	64.1	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 12000	48.4	66.8	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 10000	50.1	70.2	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 9000	50.6	70.8	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 8000	51.9	73.4	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 7000	53.0	75.7	76.6	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 6000	53.9	76.9	77.8	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 5000	54.8	78.3	79.6	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 4500	55.6	79.2	80.5	81.4	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 4000	57.1	82.5	83.9	84.8	84.8	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	57.7	84.0	85.7	86.8	86.8	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000	58.7	85.9	88.1	89.2	89.4	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2500	59.5	87.5	89.9	91.1	91.4	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2000	60.1	88.7	91.3	92.6	92.9	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	60.1	88.8	91.4	93.0	93.3	93.4	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1600	60.3	90.0	92.8	94.7	95.1	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1400	61.1	91.2	94.2	96.3	96.7	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	61.3	91.8	94.8	97.1	97.5	97.6	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	61.3	91.8	94.8	97.2	97.6	97.7	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900	61.3	91.8	94.9	97.4	98.2	98.3	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	61.3	92.0	95.4	98.0	98.8	98.9	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	61.3	92.0	95.4	98.0	98.8	98.9	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	61.3	92.0	95.4	98.0	98.8	98.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	61.3	92.0	95.4	98.0	98.8	98.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	61.3	92.0	95.4	98.0	98.8	98.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	61.3	92.0	95.4	98.0	98.8	98.9	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	61.3	92.0	95.4	98.0	98.8	98.9	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	61.3	92.0	95.4	98.0	98.8	98.9	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	61.3	92.0	95.4	98.0	98.8	98.9	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	44.0	55.2	56.2	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000	48.9	63.9	65.5	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 18000	49.2	64.2	65.8	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 16000	49.2	64.2	65.8	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 14000	50.2	65.4	67.0	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 12000	51.4	67.1	68.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 10000	55.1	72.6	74.5	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 9000	55.4	72.9	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 8000	57.3	75.9	78.5	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 7000	58.4	78.2	80.8	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 6000	59.6	80.1	83.0	84.1	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 5000	60.1	81.2	84.2	85.3	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 4500	61.0	82.2	85.2	86.3	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4000	62.0	83.5	86.6	87.9	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3500	62.6	86.2	89.4	90.6	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.4	91.4	91.4
≥ 3000	63.0	87.5	90.8	92.2	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.0	93.0	93.0
≥ 2500	63.1	88.7	91.9	93.3	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.4	94.4	94.4
≥ 2000	63.2	89.1	92.4	94.0	94.6	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.3	95.3	95.3
≥ 1800	63.2	89.1	92.4	94.0	94.6	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.4	95.4	95.4
≥ 1500	63.8	90.1	93.4	95.2	96.0	96.3	96.7	96.7	96.8	96.9	96.9	96.9	96.9	97.1	97.1	97.1
≥ 1200	63.8	90.3	93.9	95.7	96.8	97.1	97.4	97.4	97.6	97.7	97.7	97.7	97.7	98.0	98.0	98.0
≥ 1000	64.0	90.8	94.3	96.1	97.2	97.5	97.8	97.8	98.1	98.2	98.2	98.2	98.2	98.4	98.4	98.4
≥ 900	64.0	90.9	94.4	96.2	97.4	97.7	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.6	98.6	98.6
≥ 800	64.0	91.1	94.8	96.8	98.0	98.3	98.7	99.0	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 700	64.0	91.1	94.8	96.9	98.1	98.4	98.8	99.2	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 600	64.0	91.1	94.8	96.9	98.1	98.4	98.8	99.2	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 500	64.0	91.2	94.9	97.0	98.2	98.5	98.9	99.4	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 400	64.0	91.2	94.9	97.0	98.2	98.5	98.9	99.4	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 300	64.0	91.2	94.9	97.0	98.2	98.5	98.9	99.4	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 200	64.0	91.2	94.9	97.0	98.2	98.5	98.9	99.4	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 100	64.0	91.2	94.9	97.0	98.2	98.5	98.9	99.4	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 0	64.0	91.2	94.9	97.0	98.2	98.5	98.9	99.4	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ ⅛	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	45.4	57.2	57.6	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	49.2	62.8	64.1	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 18000	49.2	62.8	64.1	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 16000	49.2	62.8	64.1	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 14000	50.3	64.2	65.5	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 12000	52.5	66.9	68.2	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 10000	56.2	72.7	74.2	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 9000	56.5	73.0	74.5	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 8000	58.4	76.9	78.6	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 7000	59.4	78.7	80.6	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 6000	60.8	80.5	83.0	84.3	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 5000	61.7	82.0	84.8	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 4500	62.3	83.2	86.1	87.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 4000	63.3	85.9	89.6	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 3500	63.5	86.6	90.4	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3000	63.7	87.3	91.2	92.9	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2500	63.8	87.6	91.7	93.4	94.1	94.1	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2000	64.1	88.0	92.3	94.1	94.7	94.7	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800	64.2	88.3	92.6	94.4	95.2	95.2	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1500	64.4	88.7	93.1	94.9	95.7	95.7	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	64.4	88.9	93.4	95.4	96.2	96.5	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	64.6	89.1	93.7	95.6	96.7	96.8	97.1	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	64.6	89.1	93.7	95.6	96.8	96.9	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	64.6	89.1	93.9	95.8	97.1	97.2	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2
≥ 700	64.6	89.1	93.9	95.9	97.2	97.3	97.6	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥ 600	64.6	89.1	94.0	96.1	97.7	98.0	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥ 500	64.6	89.1	94.0	96.2	97.8	98.1	98.4	99.0	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5
≥ 400	64.6	89.1	94.1	96.3	98.0	98.2	98.8	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	64.6	89.1	94.1	96.3	98.0	98.2	98.8	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	64.6	89.1	94.1	96.3	98.0	98.2	98.8	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	64.6	89.1	94.1	96.3	98.0	98.2	98.8	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	64.6	89.1	94.1	96.3	98.0	98.2	98.8	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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USAF ETAC
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CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS, U.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	51.6	63.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 2000	54.2	68.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 1800	54.2	68.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 1600	54.2	68.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 1400	54.7	69.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 1200	55.8	70.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 1000	59.2	75.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 900	59.4	76.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 800	61.8	79.6	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 700	63.8	82.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 600	64.7	84.4	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 500	65.3	85.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 450	66.0	86.0	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 400	66.8	87.7	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 350	66.8	87.7	90.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 300	67.7	88.8	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 250	68.1	89.2	92.2	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 200	68.7	90.1	93.3	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	68.7	90.1	93.5	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1600	68.9	90.3	94.0	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1400	69.1	90.5	94.3	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200	69.8	91.4	95.2	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	70.1	91.8	95.8	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	70.3	92.2	96.1	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	70.4	92.4	96.6	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	70.5	92.5	96.8	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	70.6	92.6	97.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	71.0	93.0	97.7	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	71.0	93.0	98.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	71.0	93.0	98.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	71.0	93.0	98.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
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CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 11-51

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.10	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	40.7	54.6	56.8	58.1	58.8	59.0	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.5
≥ 20000	43.3	59.2	61.6	63.1	63.8	64.0	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.5
≥ 18000	43.4	59.3	61.8	63.2	64.0	64.1	64.3	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.6	64.7
≥ 16000	43.4	59.3	61.8	63.2	64.0	64.1	64.3	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.6	64.7
≥ 14000	43.9	60.0	62.5	64.0	64.7	64.8	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.4
≥ 12000	45.1	61.7	64.3	65.8	66.5	66.7	66.8	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.2
≥ 10000	47.6	65.6	68.4	70.1	70.9	71.0	71.2	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.6	71.7
≥ 9000	47.9	66.0	68.8	70.4	71.2	71.4	71.5	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9	72.0
≥ 8000	49.5	68.6	71.7	73.4	74.3	74.4	74.6	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	75.0
≥ 7000	50.5	70.8	74.0	75.8	76.7	76.8	77.0	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.4	77.5
≥ 6000	51.3	72.2	75.7	77.7	78.7	78.8	79.0	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.4	79.4
≥ 5000	52.0	73.4	77.1	79.2	80.3	80.4	80.6	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.1
≥ 4500	52.5	74.1	77.9	80.1	81.2	81.3	81.5	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	82.0
≥ 4000	53.3	75.9	80.0	82.3	83.4	83.5	83.8	84.0	84.0	84.1	84.1	84.1	84.1	84.2	84.2	84.3
≥ 3500	53.7	76.6	80.8	83.1	84.2	84.4	84.6	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.1	85.1
≥ 3000	54.1	77.5	81.8	84.2	85.4	85.5	85.7	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.3	86.3
≥ 2500	54.4	78.2	82.6	85.0	86.3	86.4	86.6	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.2	87.3
≥ 2000	55.0	79.2	83.7	86.2	87.6	87.8	88.1	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.6	88.7
≥ 1800	55.1	79.4	84.0	86.5	87.9	88.1	88.4	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.9	89.0
≥ 1500	55.5	80.4	85.2	87.9	89.3	89.5	89.9	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.4	90.5
≥ 1200	55.9	81.2	86.2	89.1	90.7	91.0	91.4	91.7	91.8	91.8	91.9	91.9	91.9	91.9	92.0	92.1
≥ 1000	56.3	81.9	87.0	90.1	91.9	92.2	92.6	92.9	93.0	93.1	93.1	93.1	93.1	93.2	93.2	93.3
≥ 900	56.4	82.1	87.3	90.4	92.3	92.6	93.1	93.4	93.5	93.5	93.6	93.6	93.6	93.6	93.7	93.8
≥ 800	56.5	82.4	87.8	91.1	93.0	93.3	93.9	94.2	94.3	94.4	94.4	94.4	94.4	94.5	94.5	94.6
≥ 700	56.6	82.6	88.1	91.6	93.8	94.2	94.7	95.2	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.6
≥ 600	56.7	82.8	88.5	92.0	94.5	94.9	95.5	95.9	96.0	96.1	96.1	96.1	96.1	96.2	96.3	96.4
≥ 500	56.7	82.9	88.7	92.4	95.1	95.6	96.3	96.8	96.9	97.1	97.1	97.1	97.1	97.2	97.2	97.4
≥ 400	56.7	83.0	88.9	92.6	95.7	96.2	97.1	97.7	97.8	97.9	98.0	98.0	98.1	98.1	98.1	98.3
≥ 300	56.7	83.1	89.0	92.8	95.9	96.4	97.4	98.0	98.2	98.3	98.4	98.5	98.6	98.6	98.7	98.8
≥ 200	56.7	83.1	89.0	92.8	96.0	96.5	97.6	98.3	98.4	98.6	98.8	98.8	99.0	99.0	99.2	99.4
≥ 100	56.7	83.1	89.0	92.8	96.0	96.5	97.6	98.3	98.5	98.7	98.8	98.9	99.1	99.2	99.4	99.8
≥ 0	56.7	83.1	89.0	92.8	96.0	96.5	97.6	98.3	98.5	98.7	98.8	98.9	99.1	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC

FORM 1-64

0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0
NO CEILING	42.2	61.2	64.4	66.6	67.2	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 20000	44.3	66.1	69.6	72.6	73.4	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 18000	44.3	66.1	69.6	72.6	73.4	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 16000	44.3	66.1	69.6	72.6	73.4	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 14000	44.6	66.3	69.8	72.8	73.7	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 12000	45.0	67.4	70.9	73.9	74.8	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 10000	47.7	72.0	75.8	78.9	79.9	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 9000	47.7	72.0	75.8	78.9	79.9	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 8000	49.1	74.2	78.1	81.2	82.2	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 7000	49.7	75.2	79.3	82.6	83.6	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 6000	50.4	76.1	80.2	83.4	84.4	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 5000	50.8	76.7	81.0	84.2	85.2	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4500	51.0	77.0	81.3	84.6	85.7	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 4000	51.0	77.6	82.4	85.9	87.3	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3500	51.2	77.9	82.8	86.2	87.9	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3000	51.6	78.9	83.9	87.6	89.4	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2500	51.6	78.9	84.0	87.7	89.6	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	52.1	79.9	85.1	88.8	91.0	91.2	91.3	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	52.2	80.0	85.2	88.9	91.1	91.3	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1500	53.2	81.3	86.6	90.2	92.4	92.7	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1200	53.6	82.1	87.7	91.3	93.8	94.0	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	53.6	82.6	88.3	92.0	94.4	94.7	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	53.8	82.9	88.7	92.4	94.9	95.1	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 800	54.1	83.6	89.6	93.3	95.9	96.1	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	54.1	83.8	90.0	93.9	96.6	96.8	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	54.1	84.1	90.8	94.8	97.6	97.8	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	54.2	84.2	90.9	95.0	98.1	98.3	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	54.2	84.2	90.9	95.1	98.3	98.6	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	54.2	84.3	91.0	95.2	98.6	98.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	54.3	84.4	91.1	95.3	98.7	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	54.3	84.4	91.1	95.3	98.7	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	54.3	84.4	91.1	95.3	98.7	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	29.2	49.0	56.6	60.3	62.9	63.1	64.0	64.4	64.6	64.8	64.9	64.9	65.0	65.0	65.1
≥ 20000	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
18000	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
16000	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
14000	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
12000	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
10000	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
9000	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
8000	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
7000	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
6000	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
5000	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
4500	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
4000	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
3500	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
3000	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
2500	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
2000	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
1800	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
1500	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
1200	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
1000	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
900	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
800	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
700	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
600	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
500	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
400	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
300	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
200	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
100	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2
0	30.1	52.0	60.3	65.0	67.7	67.9	68.8	69.2	69.3	69.6	69.8	69.8	70.0	70.0	70.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS U.S.T.

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	14.9	36.7	42.9	50.2	53.1	54.8	55.8	56.8	56.8	57.2	57.6	57.6	57.6	57.7	57.8	58.0
≥ 20000	15.3	39.6	46.7	54.6	57.6	59.2	60.2	61.3	61.3	61.8	62.2	62.2	62.2	62.3	62.4	62.7
IV 18000	15.3	39.6	46.7	54.6	57.6	59.2	60.2	61.3	61.3	61.8	62.2	62.2	62.2	62.3	62.4	62.7
IV 16000	15.3	39.6	46.7	54.6	57.6	59.2	60.2	61.3	61.3	61.8	62.2	62.2	62.2	62.3	62.4	62.7
IV 14000	15.8	40.1	47.3	55.2	58.2	60.0	61.0	62.1	62.1	62.6	63.0	63.0	63.0	63.1	63.2	63.4
IV 12000	15.9	41.7	48.9	56.8	60.1	62.0	63.0	64.1	64.1	64.7	65.1	65.1	65.1	65.2	65.3	65.6
IV 10000	16.0	44.7	52.7	61.2	64.9	66.8	67.9	69.0	69.0	69.6	70.0	70.0	70.0	70.1	70.2	70.4
IV 9000	16.8	44.7	52.7	61.2	64.9	66.8	67.9	69.0	69.0	69.6	70.0	70.0	70.0	70.1	70.2	70.4
IV 8000	17.1	46.0	54.2	63.0	67.0	68.9	70.0	71.1	71.1	71.7	72.1	72.1	72.1	72.2	72.3	72.6
IV 7000	17.2	46.7	55.1	64.0	68.0	69.9	71.1	72.4	72.4	73.0	73.4	73.4	73.4	73.6	73.7	73.9
IV 6000	17.6	47.1	55.7	64.7	68.7	70.6	71.8	73.1	73.1	73.7	74.1	74.1	74.1	74.2	74.3	74.6
IV 5000	17.7	47.6	56.1	65.2	69.2	71.1	72.4	73.8	73.8	74.3	74.8	74.8	74.8	74.9	75.0	75.2
IV 4500	17.8	47.8	56.3	65.4	69.6	71.4	72.8	74.1	74.1	74.7	75.1	75.1	75.1	75.2	75.3	75.6
IV 4000	17.9	48.2	56.8	65.9	70.0	72.0	73.4	74.9	74.9	75.4	75.9	75.9	75.9	76.0	76.1	76.3
IV 3500	18.1	48.4	57.0	66.2	70.4	72.4	73.9	75.3	75.3	75.9	76.3	76.3	76.3	76.4	76.6	76.8
IV 3000	18.3	48.8	57.3	66.6	70.9	73.0	74.4	75.9	75.9	76.4	76.9	76.9	76.9	77.0	77.1	77.3
IV 2500	18.3	49.2	57.8	67.0	71.6	73.8	75.2	76.7	76.7	77.2	77.8	77.8	77.8	77.9	78.0	78.2
IV 2000	18.3	49.4	58.0	67.3	72.1	74.3	75.9	77.6	77.7	78.2	78.8	78.8	78.8	78.9	79.0	79.2
IV 1800	18.3	49.4	58.0	67.6	72.3	74.6	76.1	77.8	77.9	78.4	79.0	79.0	79.0	79.1	79.2	79.4
IV 1600	18.7	50.0	58.7	68.2	73.1	75.3	76.9	78.7	78.8	79.3	79.9	79.9	79.9	80.0	80.1	80.3
IV 1400	18.8	50.7	59.7	69.3	74.3	76.7	78.3	80.1	80.2	80.8	81.3	81.3	81.3	81.4	81.6	81.8
IV 1200	18.8	51.2	60.3	70.3	75.6	78.1	80.0	81.8	81.9	82.4	83.0	83.0	83.0	83.1	83.2	83.4
IV 900	18.9	51.7	61.0	71.1	76.6	79.1	81.0	82.8	82.9	83.4	84.0	84.0	84.0	84.1	84.2	84.4
IV 800	19.1	52.7	62.4	72.9	78.4	81.0	82.9	84.8	84.9	85.4	86.0	86.0	86.0	86.1	86.2	86.4
IV 700	19.2	53.2	63.4	73.9	79.9	82.7	84.8	86.7	86.8	87.3	87.9	87.9	87.9	88.0	88.1	88.3
IV 600	19.4	54.1	64.9	75.7	82.1	84.9	87.0	89.1	89.2	89.8	90.3	90.3	90.3	90.4	90.6	90.8
IV 500	19.4	54.8	65.8	76.7	83.6	86.4	88.6	91.1	91.2	91.8	92.3	92.4	92.4	92.6	92.7	92.9
IV 400	19.4	55.0	66.1	77.4	84.8	88.2	91.0	93.9	94.2	94.9	95.6	95.7	95.7	95.8	95.9	96.2
IV 300	19.4	55.0	66.1	77.4	84.9	88.6	91.7	94.7	95.0	95.9	96.7	96.8	96.8	97.0	97.2	97.6
IV 200	19.4	55.0	66.1	77.4	84.9	88.6	91.7	94.8	95.3	96.6	97.4	97.6	97.6	98.3	98.9	99.3
IV 100	19.4	55.0	66.1	77.4	84.9	88.6	91.7	94.8	95.3	96.6	97.4	97.6	97.6	98.3	99.0	99.7
IV 0	19.4	55.0	66.1	77.4	84.9	88.6	91.7	94.8	95.3	96.6	97.4	97.6	97.6	98.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS LT

CEILING FEET	VISIBILITY, STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥	≥0
NO CEILING	28.6	56.6	59.0	61.4	62.4	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 20000	30.0	62.7	65.3	68.0	69.0	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 18000	30.2	62.9	65.6	68.3	69.3	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 16000	30.2	62.9	65.6	68.3	69.3	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 14000	30.4	63.3	66.3	69.1	70.1	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 12000	31.0	65.3	68.6	71.3	72.3	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 10000	32.1	68.1	71.6	74.3	75.4	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 9000	32.2	68.2	71.7	74.4	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 8000	32.6	70.2	74.0	76.8	77.9	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 7000	32.9	71.0	74.9	77.7	78.8	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 6000	32.9	71.0	74.9	77.7	78.8	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 5000	33.0	71.3	75.2	78.0	79.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4500	33.1	71.6	75.6	78.3	79.4	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 4000	33.9	72.8	76.8	79.7	80.8	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 3500	34.2	73.3	77.3	80.2	81.3	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 3000	34.9	74.7	79.0	82.2	83.6	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2500	35.7	75.6	81.2	84.4	85.8	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 2000	36.7	75.7	83.6	86.8	88.1	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 1800	36.8	79.0	83.9	87.4	88.8	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 1500	37.6	81.6	86.8	90.6	92.1	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1200	38.1	83.3	88.9	92.8	94.4	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000	38.3	84.0	89.9	94.0	95.8	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900	38.6	84.6	90.7	94.9	96.7	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 800	38.8	84.9	91.1	95.4	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700	38.8	84.9	91.4	95.9	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	38.9	85.1	91.8	96.2	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	38.9	85.1	91.8	96.3	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	38.9	85.1	91.8	96.3	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	38.9	85.1	91.8	96.3	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	38.9	85.1	91.8	96.3	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	38.9	85.1	91.8	96.3	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	38.9	85.1	91.8	96.3	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS U.S.T.

CEILING, FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING ≥ 20000	34.4	59.1	61.1	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 18000	36.4	68.1	70.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 16000	36.6	68.2	70.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 14000	37.0	69.0	71.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 12000	38.1	71.4	74.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 10000	40.4	76.2	79.0	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 9000	40.8	76.6	79.3	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 8000	41.3	78.7	81.6	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 7000	41.9	79.2	82.2	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 6000	42.0	79.6	82.6	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 5000	42.4	80.6	83.6	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 4500	42.9	81.6	84.6	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 4000	43.9	83.3	86.3	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 3500	44.6	84.8	87.8	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 3000	44.9	86.8	90.0	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2500	46.0	88.8	92.6	95.9	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 2000	46.3	89.8	93.6	96.9	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1800	46.3	89.8	93.6	96.9	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1500	46.4	90.3	94.1	97.4	98.2	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1200	46.4	90.9	94.8	98.1	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	46.4	91.0	94.9	98.2	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	46.4	91.1	95.0	98.3	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	46.4	91.1	95.0	98.3	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	46.4	91.1	95.0	98.3	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	46.4	91.1	95.1	98.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	46.4	91.1	95.1	98.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	46.4	91.2	95.2	98.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	46.4	91.2	95.2	98.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	46.4	91.2	95.2	98.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	46.4	91.2	95.2	98.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	46.4	91.2	95.2	98.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13840
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	36.6	61.0	62.0	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.2
≥ 20000	39.0	69.1	70.4	71.3	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7
≥ 18000	39.1	69.2	70.6	71.4	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8
≥ 16000	39.1	69.2	70.6	71.4	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8
≥ 14000	39.8	70.2	71.6	72.7	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0
≥ 12000	40.6	72.0	73.3	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9
≥ 10000	42.3	76.7	78.3	79.9	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2
≥ 9000	43.1	77.8	79.4	81.0	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3
≥ 8000	43.9	79.8	81.4	83.0	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3
≥ 7000	44.9	81.0	83.0	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0
≥ 6000	45.1	81.3	83.3	85.0	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.6
≥ 5000	46.0	83.2	85.3	87.2	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8
≥ 4500	46.9	84.3	86.4	88.3	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9
≥ 4000	47.8	85.8	88.0	90.0	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.7
≥ 3500	48.3	88.0	90.4	92.4	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.2
≥ 3000	48.7	89.4	91.9	94.2	94.7	94.7	94.8	94.9	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.3
≥ 2500	49.4	91.0	93.4	95.9	96.3	96.3	96.6	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	97.0
≥ 2000	49.7	91.3	94.0	96.6	97.1	97.1	97.3	97.4	97.4	97.6	97.8	97.9	97.9	97.9	97.9	98.0
≥ 1800	49.7	91.3	94.0	96.6	97.1	97.1	97.3	97.4	97.4	97.6	97.8	97.9	97.9	97.9	97.9	98.0
≥ 1500	49.5	91.8	94.6	97.1	97.7	97.7	97.9	98.0	98.1	98.2	98.4	98.6	98.6	98.6	98.6	98.7
≥ 1200	50.0	92.0	94.8	97.3	97.9	97.9	98.1	98.2	98.3	98.4	98.7	98.8	98.8	98.8	98.8	98.9
≥ 1000	50.0	92.2	95.0	97.6	98.1	98.1	98.3	98.4	98.6	98.7	98.9	99.0	99.0	99.0	99.0	99.1
≥ 900	50.0	92.2	95.0	97.6	98.2	98.2	98.4	98.6	98.7	98.8	99.0	99.1	99.1	99.1	99.1	99.2
≥ 800	50.0	92.2	95.0	97.6	98.2	98.2	98.4	98.6	98.7	98.8	99.0	99.1	99.1	99.1	99.1	99.2
≥ 700	50.0	92.2	95.0	97.7	98.3	98.3	98.6	98.7	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.3
≥ 600	50.0	92.2	95.0	97.7	98.3	98.3	98.6	98.7	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.3
≥ 500	50.0	92.4	95.2	97.9	98.6	98.6	98.8	99.0	99.1	99.2	99.4	99.6	99.7	99.7	99.7	99.8
≥ 400	50.0	92.4	95.2	97.9	98.6	98.6	98.8	99.0	99.1	99.2	99.4	99.6	99.7	99.7	99.7	99.8
≥ 300	50.0	92.4	95.2	97.9	98.6	98.6	98.8	99.0	99.1	99.2	99.4	99.6	99.7	99.7	99.7	99.8
≥ 200	50.0	92.4	95.2	97.9	98.6	98.6	98.8	99.0	99.1	99.2	99.4	99.6	99.7	99.7	99.7	99.8
≥ 100	50.0	92.4	95.2	97.9	98.6	98.6	98.8	99.0	99.1	99.2	99.4	99.6	99.7	99.7	99.7	99.8
≥ 0	50.0	92.4	95.2	97.9	98.6	98.6	98.8	99.0	99.1	99.2	99.4	99.6	99.7	99.7	99.7	99.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS LT ST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .2	≥ .16	≥ .1
NO CEILING	33.1	58.1	59.7	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 20000	36.3	67.4	69.9	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 18000	36.3	67.4	69.9	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 16000	36.3	67.4	69.9	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 14000	37.0	68.4	70.9	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 12000	38.1	70.9	73.3	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 10000	39.6	75.0	77.9	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 9000	40.2	76.1	79.0	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 8000	41.3	77.9	80.9	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 7000	42.1	79.2	82.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 6000	42.6	79.8	82.9	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 5000	43.6	81.6	84.9	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 4500	44.3	82.4	85.9	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 4000	44.7	83.6	87.2	90.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3500	44.8	84.6	88.6	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 3000	45.4	86.1	90.6	94.2	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500	45.8	86.8	91.3	95.2	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2000	45.9	87.4	92.1	96.0	97.1	97.2	97.3	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1800	45.9	87.4	92.1	96.0	97.1	97.2	97.3	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1500	45.9	87.8	92.4	96.3	97.4	97.6	97.7	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	46.1	88.0	92.7	96.8	97.9	98.0	98.1	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	46.1	88.1	92.8	97.0	98.1	98.2	98.3	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	46.1	88.1	92.8	97.0	98.1	98.2	98.3	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	46.1	88.1	92.8	97.0	98.1	98.2	98.3	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	46.1	88.1	92.8	97.0	98.1	98.2	98.3	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	46.1	88.1	92.8	97.0	98.1	98.2	98.3	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	46.1	88.6	93.2	97.4	98.8	98.9	99.1	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	46.1	88.6	93.2	97.4	98.8	98.9	99.1	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	46.1	88.6	93.2	97.4	98.8	98.9	99.1	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	46.1	88.6	93.2	97.4	98.8	98.9	99.1	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	46.1	88.6	93.2	97.4	98.8	98.9	99.1	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	46.1	88.6	93.2	97.4	98.8	98.9	99.1	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTR
STATION NAME

66-70, 74-78
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS, U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	46.3	63.3	64.8	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 20000	49.0	69.4	71.3	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 18000	49.0	69.4	71.3	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 16000	49.0	69.4	71.3	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 14000	49.7	70.1	72.0	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 12000	50.4	71.2	73.1	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 10000	53.1	76.3	78.2	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 9000	53.7	77.1	79.0	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 8000	54.9	79.2	81.1	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 7000	55.7	80.1	82.0	83.9	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 6000	56.0	80.9	82.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 5000	57.0	82.3	84.3	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 4500	57.4	83.0	85.1	87.3	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 4000	58.4	85.0	87.8	90.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3500	59.1	86.2	89.2	91.9	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3000	59.1	87.0	90.1	92.9	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2500	59.6	87.8	90.9	93.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2000	59.7	88.6	91.8	94.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	59.7	88.6	91.8	94.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	60.1	89.1	92.4	95.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	60.4	89.4	93.2	96.3	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	60.4	89.7	93.6	96.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	60.6	89.9	93.8	96.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	60.6	90.0	93.9	97.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	60.6	90.2	94.2	97.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	60.6	90.4	94.4	97.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	60.6	90.7	94.9	98.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	60.6	90.7	94.9	98.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	60.6	90.7	94.9	98.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	60.6	90.7	94.9	98.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	60.6	90.7	94.9	98.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
U	60.6	90.7	94.9	98.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849 SHAW AFB SOUTH CAROLINA/SUMTER 66-70,74-78 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 24

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	33.2	55.6	58.8	61.4	62.3	62.6	62.9	63.1	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3
≥ 20000	35.1	61.8	65.5	68.6	69.6	69.9	70.2	70.4	70.4	70.5	70.6	70.6	70.6	70.6	70.7	70.7
≥ 18000	35.1	61.8	65.5	68.7	69.7	70.0	70.3	70.5	70.5	70.6	70.7	70.7	70.7	70.7	70.8	70.8
≥ 16000	35.1	61.9	65.6	68.7	69.7	70.0	70.3	70.5	70.5	70.6	70.7	70.7	70.7	70.7	70.8	70.8
≥ 14000	35.5	62.5	66.2	69.4	70.4	70.7	71.0	71.2	71.2	71.3	71.4	71.4	71.4	71.4	71.5	71.5
≥ 12000	36.2	64.2	68.0	71.2	72.3	72.6	72.9	73.1	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.4
≥ 10000	38.0	68.1	72.3	75.7	77.0	77.3	77.6	77.8	77.8	77.9	78.0	78.0	78.0	78.0	78.1	78.1
≥ 9000	38.3	68.6	72.7	76.2	77.4	77.7	78.0	78.2	78.3	78.3	78.4	78.4	78.4	78.5	78.5	78.6
≥ 8000	39.1	70.4	74.7	78.2	79.5	79.8	80.1	80.3	80.3	80.4	80.5	80.5	80.5	80.6	80.6	80.7
≥ 7000	39.7	71.2	75.7	79.3	80.6	80.9	81.2	81.5	81.5	81.6	81.7	81.7	81.7	81.7	81.8	81.8
≥ 6000	40.1	71.7	76.2	79.8	81.2	81.5	81.8	82.1	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.4
≥ 5000	40.6	72.8	77.3	81.0	82.4	82.7	83.0	83.3	83.3	83.4	83.5	83.5	83.5	83.5	83.6	83.6
≥ 4500	41.0	73.3	77.9	81.7	83.1	83.4	83.7	84.0	84.0	84.1	84.2	84.2	84.2	84.2	84.3	84.3
≥ 4000	41.5	74.5	79.3	83.2	84.7	85.1	85.4	85.7	85.7	85.8	85.9	85.9	85.9	85.9	86.0	86.0
≥ 3500	41.9	75.4	80.3	84.2	85.8	86.2	86.5	86.8	86.8	86.9	87.0	87.0	87.1	87.1	87.1	87.2
≥ 3000	42.2	76.5	81.6	85.7	87.5	87.9	88.2	88.5	88.6	88.7	88.8	88.8	88.8	88.8	88.9	88.9
≥ 2500	42.7	77.4	82.7	86.9	88.7	89.1	89.5	89.9	89.9	90.0	90.1	90.1	90.2	90.2	90.2	90.3
≥ 2000	43.0	78.3	83.6	87.9	89.9	90.3	90.7	91.1	91.2	91.3	91.4	91.4	91.5	91.5	91.5	91.6
≥ 1800	43.0	78.4	83.7	88.1	90.1	90.5	90.9	91.3	91.3	91.5	91.6	91.6	91.6	91.6	91.7	91.7
≥ 1500	43.4	79.3	84.7	89.1	91.2	91.6	92.0	92.4	92.5	92.6	92.7	92.8	92.8	92.8	92.8	92.9
≥ 1200	43.7	80.0	85.7	90.1	92.3	92.7	93.1	93.6	93.7	93.8	93.9	93.9	93.9	94.0	94.0	94.1
≥ 1000	43.8	80.4	86.1	90.7	92.9	93.4	93.8	94.3	94.4	94.5	94.6	94.6	94.7	94.7	94.7	94.8
≥ 900	43.8	80.6	86.4	91.0	93.3	93.8	94.3	94.7	94.8	94.9	95.0	95.1	95.1	95.1	95.1	95.2
≥ 800	44.0	81.0	86.9	91.6	94.0	94.4	95.0	95.4	95.5	95.7	95.8	95.8	95.8	95.8	95.9	96.0
≥ 700	44.0	81.2	87.2	92.0	94.5	95.0	95.6	96.1	96.1	96.3	96.4	96.4	96.5	96.5	96.5	96.6
≥ 600	44.1	81.4	87.7	92.5	95.2	95.7	96.3	96.8	96.9	97.0	97.2	97.2	97.2	97.2	97.3	97.3
≥ 500	44.1	81.6	88.0	93.0	95.8	96.3	96.9	97.5	97.6	97.8	97.9	97.9	98.0	98.0	98.1	98.1
≥ 400	44.1	81.7	88.1	93.2	96.1	96.7	97.5	98.1	98.2	98.4	98.6	98.6	98.7	98.7	98.8	98.8
≥ 300	44.1	81.7	88.1	93.2	96.2	96.9	97.7	98.4	98.6	98.8	98.9	99.0	99.1	99.1	99.2	99.3
≥ 200	44.1	81.7	88.1	93.3	96.3	96.9	97.8	98.5	98.7	99.0	99.2	99.2	99.3	99.3	99.5	99.6
≥ 100	44.1	81.7	88.1	93.3	96.3	96.9	97.8	98.5	98.7	99.0	99.2	99.2	99.3	99.3	99.5	99.8
≥ 0	44.1	81.7	88.1	93.3	96.3	96.9	97.8	98.5	98.7	99.0	99.2	99.2	99.3	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS LT

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING ≥ 20000	43.9	62.7	66.1	67.0	67.5	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 18000	45.4	66.7	71.3	72.8	73.4	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 16000	45.4	66.7	71.3	72.8	73.4	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 14000	45.7	67.6	72.3	73.8	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 12000	46.9	69.0	73.7	75.2	76.0	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 10000	51.1	74.7	79.9	81.5	82.7	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 9000	51.3	75.4	80.5	82.2	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 8000	52.2	77.4	83.3	85.1	86.3	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 7000	52.3	77.8	83.9	85.6	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 6000	52.8	78.5	84.8	86.6	87.8	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 5000	53.1	79.4	85.9	87.6	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 4500	53.2	79.7	86.2	88.1	89.5	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 4000	53.3	79.8	86.3	88.2	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 3500	53.3	80.0	86.6	88.6	90.2	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 3000	53.4	80.6	87.3	89.6	91.3	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2500	53.4	81.0	87.8	90.1	91.9	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000	53.5	81.2	88.3	90.6	92.6	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1800	53.7	81.3	88.4	90.9	92.8	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1500	54.0	81.7	88.8	91.4	93.3	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1200	54.2	82.0	89.2	92.0	94.0	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1000	54.3	82.3	89.5	92.4	94.3	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 900	54.3	82.3	89.5	92.4	94.4	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 800	54.3	82.4	89.6	92.5	94.6	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 700	54.5	82.6	89.9	92.8	95.2	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 600	54.7	82.9	90.2	93.2	95.6	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 500	55.3	83.7	91.0	94.0	96.5	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 400	55.5	84.0	91.5	94.9	97.7	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 300	55.5	84.0	91.5	95.1	98.4	98.7	98.8	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	55.5	84.0	91.6	95.2	98.6	99.0	99.1	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
IV 100	55.5	84.0	91.6	95.2	98.6	99.0	99.1	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	55.5	84.0	91.6	95.2	98.6	99.0	99.1	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0
NO CEILING	30.8	52.8	58.7	61.7	64.9	65.2	65.5	65.7	65.8	65.9	66.5	66.5	66.6	66.6	66.7	66.7
≥ 20000	32.3	55.5	63.0	66.7	70.2	70.4	70.8	71.0	71.1	71.2	71.7	71.7	71.8	71.8	71.9	71.9
≥ 18000	32.3	55.5	63.0	66.7	70.2	70.4	70.8	71.0	71.1	71.2	71.7	71.7	71.8	71.8	71.9	71.9
≥ 16000	32.3	55.5	63.0	66.7	70.2	70.4	70.8	71.0	71.1	71.2	71.7	71.7	71.8	71.8	71.9	71.9
≥ 14000	32.5	56.0	63.9	67.6	71.3	71.5	71.8	72.0	72.2	72.3	72.8	72.8	72.9	72.9	73.0	73.0
≥ 12000	33.1	57.4	65.5	69.2	72.9	73.1	73.4	73.7	73.8	73.9	74.4	74.4	74.5	74.5	74.6	74.6
≥ 10000	35.5	62.4	70.9	74.7	78.5	78.7	79.0	79.2	79.4	79.5	80.0	80.0	80.1	80.1	80.2	80.2
≥ 9000	35.8	62.9	71.4	75.3	79.0	79.2	79.6	79.8	79.9	80.0	80.5	80.5	80.6	80.6	80.8	80.8
≥ 8000	36.2	63.9	72.7	76.5	80.6	80.9	81.2	81.4	81.5	81.6	82.2	82.2	82.3	82.3	82.4	82.4
≥ 7000	36.3	64.1	72.9	76.9	81.2	81.4	81.7	81.9	82.0	82.2	82.7	82.7	82.8	82.8	82.9	82.9
≥ 6000	36.7	64.7	73.8	77.7	82.0	82.3	82.6	82.8	82.9	83.0	83.5	83.5	83.7	83.7	83.8	83.8
≥ 5000	37.0	65.6	74.6	78.7	83.0	83.2	83.5	83.8	83.9	84.0	84.5	84.5	84.6	84.6	84.7	84.7
≥ 4500	37.0	65.6	74.7	78.9	83.2	83.4	83.6	84.0	84.1	84.2	84.7	84.7	84.8	84.8	84.9	84.9
≥ 4000	37.0	65.8	74.9	79.2	83.5	83.8	84.1	84.3	84.4	84.5	85.1	85.1	85.2	85.2	85.3	85.3
≥ 3500	37.1	65.9	75.3	79.6	84.0	84.2	84.6	84.9	85.1	85.2	85.7	85.7	85.8	85.8	85.9	85.9
≥ 3000	37.2	66.5	76.2	80.6	85.2	85.4	85.8	86.1	86.2	86.3	86.9	86.9	87.0	87.0	87.1	87.1
≥ 2500	37.5	67.7	77.6	82.0	86.7	86.9	87.3	87.6	87.7	87.8	88.4	88.4	88.5	88.5	88.6	88.6
≥ 2000	37.5	68.0	78.0	82.4	87.2	87.4	87.8	88.2	88.3	88.4	88.9	88.9	89.0	89.0	89.1	89.1
≥ 1800	37.5	68.1	78.1	82.5	87.3	87.5	88.0	88.3	88.4	88.5	89.0	89.0	89.1	89.1	89.2	89.2
≥ 1500	37.6	68.3	78.3	82.9	87.7	88.0	88.4	88.7	88.8	88.9	89.5	89.5	89.6	89.6	89.7	89.7
≥ 1200	37.8	68.7	78.7	83.4	88.3	88.5	88.9	89.2	89.4	89.5	90.0	90.0	90.2	90.2	90.3	90.3
≥ 1000	38.3	69.2	79.5	84.3	89.1	89.4	89.8	90.1	90.2	90.4	91.0	91.0	91.3	91.3	91.4	91.4
≥ 900	38.3	69.2	79.5	84.4	89.5	89.8	90.2	90.5	90.8	91.0	91.5	91.5	91.8	91.8	91.9	91.9
≥ 800	38.3	69.2	79.5	84.5	89.6	89.9	90.6	91.0	91.2	91.4	91.9	91.9	92.3	92.3	92.4	92.4
≥ 700	38.5	69.6	79.8	84.8	90.1	90.4	91.2	91.5	91.7	91.9	92.5	92.5	92.8	92.8	92.9	92.9
≥ 600	38.6	69.8	80.0	85.3	90.6	91.1	91.8	92.3	92.5	92.7	93.2	93.2	93.5	93.5	93.7	93.7
≥ 500	38.7	70.3	80.5	86.0	91.8	92.4	93.1	93.5	93.8	94.1	94.6	94.6	94.9	94.9	95.1	95.1
≥ 400	38.7	70.3	80.6	86.6	92.8	93.8	94.7	95.4	95.6	95.9	96.5	96.5	96.8	96.8	96.9	96.9
≥ 300	38.7	70.3	80.9	86.9	93.3	94.3	95.4	96.1	96.3	96.7	97.3	97.3	97.6	97.6	97.7	97.7
≥ 200	38.7	70.3	80.9	86.9	93.5	94.6	95.7	96.6	96.8	97.2	98.1	98.1	98.4	98.4	98.6	98.6
≥ 100	38.7	70.3	80.9	86.9	93.7	94.8	95.9	96.8	97.0	97.5	98.4	98.4	98.9	98.9	99.0	99.0
≥ 0	38.7	70.3	80.9	86.9	93.7	94.8	95.9	96.8	97.0	97.5	98.4	98.4	98.9	98.9	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	13.4	31.9	39.4	49.7	55.2	57.7	59.1	60.5	61.0	61.1	61.4	61.4	61.6	61.7	61.8	61.8
≥ 20000	14.1	34.5	42.8	53.9	60.0	63.0	64.5	65.9	66.3	66.5	66.9	66.9	67.1	67.2	67.4	67.6
≥ 18000	14.1	34.5	42.8	53.9	60.0	63.0	64.5	65.9	66.3	66.5	66.9	66.9	67.1	67.2	67.4	67.6
≥ 16000	14.1	34.5	42.8	53.9	60.0	63.0	64.5	65.9	66.3	66.5	66.9	66.9	67.1	67.2	67.4	67.6
≥ 14000	15.3	36.5	44.7	55.8	61.9	64.9	66.6	68.0	68.4	68.5	68.9	68.9	69.1	69.2	69.5	69.7
≥ 12000	15.6	37.0	45.5	56.8	62.9	65.9	67.5	68.8	69.4	69.5	69.9	69.9	70.1	70.2	70.4	70.6
≥ 10000	16.7	40.4	49.8	61.7	68.5	71.7	73.5	74.9	75.5	75.6	76.0	76.0	76.2	76.3	76.6	76.8
≥ 9000	16.9	40.8	50.1	62.0	68.9	72.2	74.0	75.4	75.9	76.0	76.5	76.5	76.7	76.8	77.0	77.2
≥ 8000	17.0	42.2	51.8	64.1	71.1	74.3	76.1	77.6	78.2	78.3	78.7	78.7	78.9	79.0	79.2	79.5
≥ 7000	17.1	43.0	52.8	65.1	72.2	75.4	77.2	78.8	79.4	79.5	79.9	79.9	80.1	80.2	80.4	80.8
≥ 6000	17.2	43.1	53.0	65.3	72.5	75.7	77.5	79.1	79.7	79.8	80.2	80.2	80.4	80.5	80.8	81.1
≥ 5000	17.5	43.7	53.5	66.1	73.3	76.6	78.5	80.1	80.6	80.8	81.2	81.2	81.4	81.5	81.7	82.0
≥ 4500	17.5	43.7	53.7	66.3	73.5	76.8	78.7	80.3	80.9	81.0	81.4	81.4	81.6	81.7	81.9	82.3
≥ 4000	17.7	44.1	54.2	67.0	74.2	77.4	79.4	81.0	81.5	81.6	82.0	82.0	82.3	82.4	82.6	82.9
≥ 3500	17.8	44.2	54.3	67.1	74.3	77.5	79.5	81.1	81.6	81.7	82.2	82.2	82.4	82.5	82.7	83.0
≥ 3000	17.8	44.3	54.4	67.3	74.5	77.7	79.8	81.4	81.9	82.0	82.5	82.5	82.7	82.8	83.0	83.3
≥ 2500	18.0	44.6	54.8	67.8	75.1	78.3	80.3	81.9	82.5	82.6	83.0	83.0	83.2	83.3	83.5	83.9
≥ 2000	18.1	44.7	55.2	68.6	75.8	79.0	81.1	82.8	83.3	83.4	83.9	83.9	84.1	84.2	84.4	84.7
≥ 1800	18.1	44.8	55.4	68.8	76.1	79.4	81.4	83.1	83.7	83.8	84.2	84.2	84.4	84.5	84.7	85.1
≥ 1500	18.3	45.4	55.9	69.5	76.9	80.1	82.3	84.0	84.5	84.6	85.1	85.1	85.3	85.4	85.6	85.9
≥ 1200	18.3	45.9	56.7	70.3	78.1	81.3	83.4	85.2	85.8	85.9	86.3	86.3	86.6	86.7	86.9	87.2
≥ 1000	18.5	46.2	57.1	71.0	78.8	82.0	84.2	85.9	86.6	86.7	87.1	87.1	87.3	87.4	87.6	88.0
≥ 900	18.5	46.5	57.3	71.2	79.0	82.3	84.4	86.1	86.8	87.0	87.4	87.4	87.6	87.7	88.0	88.3
≥ 800	18.6	46.8	57.8	72.3	80.2	83.5	85.8	87.5	88.2	88.4	88.8	88.8	89.0	89.1	89.4	89.7
≥ 700	18.8	47.3	58.5	73.0	81.1	84.4	86.7	88.5	89.1	89.5	89.9	89.9	90.1	90.2	90.4	90.8
≥ 600	18.8	47.6	58.9	73.7	81.9	85.5	87.8	89.7	90.3	90.6	91.1	91.1	91.3	91.4	91.6	91.9
≥ 500	18.9	48.0	59.5	74.4	83.2	87.0	89.9	91.9	92.6	92.9	93.3	93.3	93.8	93.9	94.2	94.5
≥ 400	18.9	48.0	59.5	74.5	84.0	88.1	91.4	93.7	94.4	94.7	95.3	95.3	95.7	95.8	96.1	96.5
≥ 300	18.9	48.1	59.7	74.9	84.7	89.0	92.5	94.9	95.7	96.1	96.8	96.9	97.3	97.4	97.7	98.1
≥ 200	18.9	48.2	59.8	75.1	84.8	89.1	92.8	95.3	96.0	96.5	97.2	97.4	98.0	98.4	98.7	99.1
≥ 100	18.9	48.2	59.8	75.1	84.8	89.1	92.8	95.3	96.0	96.5	97.2	97.4	98.0	98.4	98.7	99.5
≥ 0	18.9	48.2	59.8	75.1	84.8	89.1	92.8	95.3	96.0	96.5	97.2	97.4	98.0	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS, UT-5

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.15	≥.1	≥0
NO CEILING	26.2	51.2	57.8	62.7	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 20000	27.2	54.4	61.4	66.8	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 18000	27.2	54.5	61.5	66.9	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 16000	27.2	54.5	61.5	66.9	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 14000	28.2	56.1	63.1	68.5	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 12000	29.2	58.1	65.1	70.5	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000	30.2	61.6	68.9	74.4	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	30.4	61.9	69.2	74.7	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 8000	31.0	64.9	72.5	78.1	79.8	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 7000	31.3	66.1	73.7	79.2	81.0	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 6000	31.5	66.3	74.1	79.7	81.4	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 5000	32.0	67.1	74.8	80.4	82.2	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500	32.3	67.4	75.2	80.8	82.5	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000	32.4	67.6	75.5	81.2	82.9	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	32.5	68.0	75.8	81.5	83.2	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3000	32.6	68.3	76.1	81.9	83.3	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2500	33.2	69.4	77.2	83.0	84.8	85.2	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2000	33.4	71.0	79.0	85.1	87.1	87.4	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1800	33.5	71.3	79.4	85.4	87.4	87.7	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1500	34.4	73.3	81.8	88.1	90.1	90.4	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200	34.8	74.6	83.9	90.8	92.9	93.2	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1000	35.8	76.2	85.5	92.8	94.9	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	36.0	76.9	86.2	93.7	95.8	96.1	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	36.1	77.1	86.9	94.4	96.6	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7
≥ 700	36.3	77.6	87.5	95.3	97.4	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7
≥ 600	36.3	77.8	87.7	95.6	98.0	98.7	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 500	36.3	78.0	87.8	95.9	98.3	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 400	36.3	78.0	87.8	95.9	98.3	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 300	36.3	78.0	87.8	95.9	98.3	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200	36.3	78.0	87.8	95.9	98.3	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	36.3	78.0	87.8	95.9	98.3	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	36.3	78.0	87.8	95.9	98.3	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS A.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	35.7	56.6	61.0	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 20000	37.3	61.9	67.2	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 18000	37.3	61.9	67.2	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 16000	37.3	61.9	67.2	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 14000	38.1	63.2	68.5	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 12000	39.1	65.3	70.5	74.4	74.7	74.7	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9
≥ 10000	41.7	70.9	76.3	80.3	80.6	80.6	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 9000	41.8	71.1	76.6	80.5	80.9	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 8000	42.2	74.3	80.0	84.1	84.4	84.4	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 7000	42.4	74.9	80.6	84.7	85.1	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 6000	42.8	75.5	81.3	85.4	85.7	85.7	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 5000	43.0	76.3	82.2	86.3	86.7	86.7	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 4500	43.1	76.9	82.7	86.9	87.2	87.2	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 4000	43.8	78.7	84.7	89.0	89.4	89.4	89.5	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3500	44.4	80.3	86.5	90.9	91.2	91.2	91.3	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000	45.2	82.0	88.4	92.9	93.5	93.5	93.8	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 2500	45.8	83.2	89.9	94.5	95.2	95.2	95.4	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000	46.0	84.1	90.8	95.4	96.0	96.0	96.2	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	46.0	84.4	91.2	96.0	96.7	96.7	96.9	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	46.2	84.9	91.8	96.7	97.4	97.4	97.6	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	46.8	85.6	92.5	97.4	98.2	98.2	98.4	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	47.0	86.0	92.9	97.8	98.7	98.7	98.9	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	47.0	86.0	92.9	97.8	98.8	98.8	99.0	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	47.0	86.0	92.9	98.0	99.0	99.0	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	47.0	86.0	93.0	98.1	99.1	99.1	99.5	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	47.0	86.0	93.0	98.1	99.1	99.1	99.5	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	47.0	86.0	93.0	98.1	99.1	99.1	99.5	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	47.0	86.0	93.0	98.1	99.1	99.1	99.5	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	47.0	86.0	93.0	98.1	99.1	99.1	99.5	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	47.0	86.0	93.0	98.1	99.1	99.1	99.5	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	47.0	86.0	93.0	98.1	99.1	99.1	99.5	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	47.0	86.0	93.0	98.1	99.1	99.1	99.5	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS HST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	34.4	51.2	56.0	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000	36.7	58.4	64.0	66.6	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 18000	36.7	58.4	64.0	66.6	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 16000	36.7	58.4	64.0	66.6	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 14000	37.2	59.6	65.3	68.0	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 12000	38.3	62.5	68.2	71.0	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 10000	41.9	68.4	74.4	77.6	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 9000	42.3	69.0	75.2	78.4	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 8000	43.2	71.7	78.1	81.9	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 7000	43.5	72.2	78.6	82.7	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 6000	44.2	73.4	79.9	84.3	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 5000	44.8	74.7	81.2	85.4	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4500	45.1	75.6	82.0	86.3	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4000	45.7	77.6	84.5	89.1	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 3500	46.3	79.1	86.5	91.5	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000	46.8	80.1	87.6	93.0	94.6	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2500	47.1	81.2	88.7	94.2	95.8	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2000	47.2	81.5	89.0	94.7	96.5	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2
≥ 1800	47.2	81.5	89.0	94.8	96.6	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3
≥ 1500	47.2	81.7	89.4	95.2	96.9	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6
≥ 1200	47.3	81.9	89.6	95.4	97.2	97.6	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2
≥ 1000	47.4	82.2	89.8	95.8	97.7	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 900	47.4	82.2	89.8	95.8	98.0	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 800	47.4	82.2	89.8	95.8	98.0	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.4	99.4
≥ 700	47.5	82.4	90.0	96.0	98.2	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 600	47.6	82.5	90.1	96.1	98.3	98.7	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7
≥ 500	47.6	82.5	90.1	96.1	98.3	98.7	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7
≥ 400	47.6	82.6	90.2	96.2	98.4	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8
≥ 300	47.6	82.6	90.2	96.3	98.5	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 200	47.6	82.6	90.2	96.3	98.5	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 100	47.6	82.6	90.2	96.3	98.5	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 0	47.6	82.6	90.2	96.3	98.5	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 1-1-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	31.2	48.4	52.4	54.3	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	33.9	55.3	60.5	63.3	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 18000	33.9	55.3	60.5	63.3	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 16000	33.9	55.3	60.5	63.3	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 14000	34.4	56.1	61.2	64.4	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000	36.2	59.6	65.3	68.5	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 10000	40.2	67.8	74.3	78.0	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 9000	40.4	68.2	74.8	78.6	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 8000	42.3	72.6	79.7	83.6	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 7000	42.7	73.2	80.4	84.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 6000	43.1	73.7	80.9	84.9	87.0	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 5000	43.4	74.8	82.0	86.1	88.2	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 4500	43.5	75.1	82.3	86.5	88.6	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4000	44.2	77.2	84.8	89.1	91.4	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3500	44.7	77.8	85.6	89.9	92.1	92.5	92.7	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3000	45.1	78.7	86.4	90.9	93.2	93.6	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500	45.3	79.0	87.0	91.7	94.1	94.5	94.8	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000	45.4	79.3	87.3	92.1	94.7	95.2	95.5	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	45.4	79.4	87.4	92.2	94.8	95.3	95.6	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1500	45.6	80.2	88.2	93.0	95.7	96.1	96.4	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	45.9	80.6	88.8	93.6	96.3	96.9	97.2	97.5	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	46.1	81.3	89.6	94.5	97.3	97.8	98.2	98.5	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	46.1	81.3	89.6	94.5	97.3	97.8	98.3	98.6	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	46.1	81.3	89.6	94.5	97.3	97.8	98.3	98.6	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	46.1	81.3	89.7	94.7	97.5	98.1	98.5	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	46.3	81.6	90.0	95.0	97.8	98.4	98.8	99.1	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	46.3	81.7	90.1	95.2	98.0	98.6	99.0	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	46.3	81.8	90.2	95.4	98.2	98.8	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	46.3	81.8	90.2	95.4	98.2	98.8	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	46.3	81.8	90.2	95.4	98.2	98.8	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	46.3	81.8	90.2	95.4	98.2	98.8	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS U.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01	≥ 0
NO CEILING	39.8	59.3	61.4	61.6	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 20000	41.4	64.3	67.3	67.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 18000	41.4	64.3	67.3	67.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 16000	41.4	64.3	67.3	67.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 14000	41.6	64.7	67.9	68.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 12000	43.1	67.5	70.7	71.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 10000	46.6	74.6	78.8	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 9000	47.1	75.1	79.5	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 8000	49.4	79.2	84.0	85.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 7000	49.9	80.2	84.9	86.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 6000	50.4	80.8	85.6	87.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 5000	50.7	81.4	86.3	87.8	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4500	50.9	81.8	86.8	88.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 4000	51.7	83.1	88.4	89.9	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3500	51.8	83.3	88.8	90.3	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3000	52.2	84.0	89.8	91.3	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2500	52.4	84.5	90.7	92.2	94.0	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000	52.4	84.7	91.2	92.7	94.4	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1800	52.4	84.7	91.2	92.7	94.4	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1500	52.6	85.0	91.5	93.0	94.7	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200	52.7	85.5	91.9	93.4	95.2	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1000	52.7	85.9	92.6	94.2	95.9	96.0	96.0	96.0	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900	52.7	86.0	92.7	94.3	96.0	96.1	96.1	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800	53.1	86.4	93.1	94.7	96.6	96.7	96.7	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 700	53.1	86.5	93.2	94.9	96.8	96.9	96.9	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	53.2	86.8	93.4	95.4	97.2	97.3	97.3	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 500	53.5	87.4	94.1	96.3	98.3	98.4	98.4	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	53.6	87.7	94.5	96.8	98.7	98.8	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	53.6	87.8	94.7	97.1	99.4	99.5	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	53.6	87.8	94.7	97.1	99.4	99.5	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	53.6	87.8	94.8	97.2	99.5	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	53.6	87.8	94.8	97.2	99.5	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70,74-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	31.9	51.8	56.6	59.9	61.5	61.8	62.1	62.3	62.3	62.4	62.5	62.5	62.5	62.5	62.6	62.6
≥ 20000	33.5	56.4	62.2	66.1	67.9	68.4	68.6	68.8	68.9	68.9	69.1	69.1	69.1	69.1	69.2	69.2
≥ 18000	33.5	56.4	62.2	66.1	67.9	68.4	68.6	68.9	68.9	69.0	69.1	69.1	69.1	69.1	69.2	69.2
≥ 16000	33.5	56.4	62.2	66.1	67.9	68.4	68.6	68.9	68.9	69.0	69.1	69.1	69.1	69.1	69.2	69.2
≥ 14000	34.1	57.5	63.4	67.3	69.2	69.7	69.9	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.5	70.5
≥ 12000	35.2	59.5	65.6	69.6	71.6	72.0	72.3	72.5	72.6	72.6	72.7	72.7	72.8	72.8	72.8	72.9
≥ 10000	38.0	65.1	71.7	76.0	78.2	78.7	79.0	79.2	79.3	79.3	79.4	79.4	79.5	79.5	79.5	79.5
≥ 9000	38.2	65.6	72.2	76.6	78.7	79.2	79.5	79.7	79.8	79.8	80.0	80.0	80.0	80.0	80.1	80.1
≥ 8000	39.2	68.3	75.2	79.9	82.1	82.7	83.0	83.2	83.3	83.3	83.4	83.4	83.5	83.5	83.5	83.6
≥ 7000	39.4	68.9	76.0	80.6	83.0	83.5	83.8	84.1	84.1	84.2	84.3	84.3	84.3	84.4	84.4	84.4
≥ 6000	39.8	69.5	76.7	81.3	83.7	84.2	84.5	84.8	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.2
≥ 5000	40.2	70.4	77.6	82.3	84.7	85.3	85.6	85.8	85.9	86.0	86.1	86.1	86.1	86.1	86.2	86.2
≥ 4500	40.3	70.7	78.0	82.8	85.2	85.7	86.0	86.3	86.4	86.4	86.5	86.5	86.6	86.6	86.6	86.7
≥ 4000	40.7	71.7	79.2	84.1	86.6	87.1	87.5	87.8	87.8	87.9	88.0	88.0	88.1	88.1	88.1	88.2
≥ 3500	41.0	72.3	79.9	84.9	87.5	88.0	88.4	88.7	88.8	88.8	88.9	88.9	89.0	89.0	89.0	89.1
≥ 3000	41.3	73.1	80.8	85.9	88.6	89.2	89.6	90.0	90.1	90.1	90.2	90.2	90.3	90.3	90.3	90.4
≥ 2500	41.6	73.8	81.7	87.0	89.7	90.3	90.7	91.1	91.2	91.3	91.4	91.4	91.4	91.4	91.5	91.5
≥ 2000	41.7	74.3	82.3	87.7	90.5	91.1	91.6	91.9	92.0	92.1	92.2	92.2	92.3	92.3	92.4	92.4
≥ 1800	41.7	74.4	82.5	87.9	90.8	91.4	91.8	92.2	92.2	92.4	92.5	92.5	92.5	92.5	92.6	92.6
≥ 1500	42.0	75.1	83.2	88.7	91.6	92.2	92.6	93.0	93.1	93.2	93.3	93.3	93.4	93.4	93.4	93.5
≥ 1200	42.2	75.6	83.9	89.0	92.5	93.1	93.6	94.0	94.1	94.2	94.3	94.3	94.4	94.4	94.4	94.5
≥ 1000	42.5	76.2	84.5	90.3	93.4	94.0	94.4	94.8	94.9	95.1	95.2	95.2	95.3	95.3	95.3	95.4
≥ 900	42.5	76.3	84.7	90.5	93.6	94.2	94.7	95.1	95.2	95.3	95.5	95.5	95.6	95.6	95.6	95.7
≥ 800	42.6	76.4	84.9	90.8	94.0	94.6	95.2	95.6	95.7	95.9	96.0	96.0	96.1	96.1	96.2	96.2
≥ 700	42.7	76.7	85.2	91.2	94.4	95.1	95.7	96.1	96.2	96.3	96.5	96.5	96.6	96.6	96.6	96.7
≥ 600	42.8	76.8	85.4	91.5	94.8	95.5	96.1	96.6	96.7	96.8	97.0	97.0	97.1	97.1	97.1	97.2
≥ 500	43.0	77.2	85.7	92.0	95.4	96.2	96.9	97.3	97.4	97.6	97.8	97.8	97.9	97.9	98.0	98.0
≥ 400	43.0	77.3	85.9	92.3	95.9	96.8	97.6	98.1	98.2	98.4	98.6	98.6	98.7	98.7	98.7	98.8
≥ 300	43.0	77.3	86.0	92.5	96.2	97.2	98.0	98.6	98.7	98.9	99.1	99.1	99.3	99.3	99.3	99.4
≥ 200	43.0	77.3	86.0	92.5	96.3	97.3	98.1	98.7	98.8	99.1	99.3	99.4	99.5	99.5	99.6	99.7
≥ 100	43.0	77.3	86.0	92.5	96.3	97.3	98.2	98.8	98.9	99.1	99.4	99.4	99.6	99.7	99.8	99.9
≥ 0	43.0	77.3	86.0	92.5	96.3	97.3	98.2	98.8	98.9	99.1	99.4	99.4	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7438

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS AT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	43.8	63.2	68.5	69.8	69.9	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 20000	45.4	66.2	71.8	73.4	73.7	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4
≥ 18000	45.4	66.2	71.8	73.4	73.7	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4
≥ 16000	45.4	66.2	71.8	73.4	73.7	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4
≥ 14000	45.5	66.5	72.0	73.9	74.1	74.5	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8
≥ 12000	46.8	68.4	74.1	75.9	76.1	76.6	76.7	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9
≥ 10000	48.9	71.9	77.6	79.8	80.0	80.5	80.6	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9
≥ 9000	48.9	71.9	77.6	79.8	80.0	80.5	80.6	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9
≥ 8000	50.8	74.4	80.4	82.7	83.0	83.5	83.7	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000	51.0	74.8	81.1	83.4	84.0	84.5	84.6	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8
≥ 6000	51.9	75.8	82.2	84.5	85.1	85.6	85.7	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9
≥ 5000	52.5	76.6	82.9	85.3	85.8	86.3	86.5	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4500	52.6	77.0	83.4	85.8	86.5	87.2	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5
≥ 4000	53.2	77.6	84.2	86.6	87.2	88.0	88.1	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3500	53.3	77.7	84.3	86.7	87.3	88.1	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3000	53.5	79.0	85.8	88.4	89.1	89.9	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2500	53.8	79.6	86.3	88.9	89.9	90.6	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	54.1	79.9	86.8	89.4	90.3	91.1	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1800	54.2	80.1	87.0	89.6	90.5	91.3	91.6	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1500	54.2	80.1	87.0	89.6	90.8	91.5	91.8	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200	54.2	80.4	87.4	90.0	91.2	91.9	92.3	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1000	54.4	81.0	88.1	91.1	92.3	93.0	93.3	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5
≥ 900	54.4	81.1	88.4	91.4	92.7	93.4	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800	54.4	81.4	88.8	92.3	93.5	94.3	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9
≥ 700	54.4	81.5	88.9	92.5	93.8	94.5	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	54.5	81.8	89.2	92.9	94.4	95.4	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500	54.5	82.0	89.5	93.3	95.3	96.2	97.2	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	54.6	82.3	89.8	93.7	95.7	96.9	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	54.6	82.3	90.0	94.2	96.5	97.7	98.8	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	54.6	82.3	90.1	94.3	96.6	97.8	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	54.6	82.3	90.1	94.3	96.6	97.8	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	54.6	82.3	90.1	94.3	96.6	97.8	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING ≥ 20000	31.6	51.2	59.0	61.9	63.4	64.1	64.4	64.8	64.8	64.9	65.1	65.2	65.4	65.4	65.4	65.5
≥ 18000 ≥ 16000	31.9	52.0	60.8	64.1	65.9	66.6	66.9	67.3	67.3	67.4	67.6	67.7	68.0	68.0	68.0	68.2
≥ 14000 ≥ 12000	31.9	52.0	60.8	64.1	65.9	66.6	66.9	67.3	67.3	67.4	67.6	67.7	68.0	68.0	68.0	68.2
≥ 10000 ≥ 9000	32.5	52.6	61.3	64.6	66.5	67.1	67.4	67.8	67.8	68.0	68.2	68.3	68.5	68.5	68.5	68.7
≥ 8000 ≥ 7000	33.2	53.5	62.5	65.9	67.7	68.4	68.7	69.1	69.1	69.2	69.5	69.6	69.8	69.8	69.8	70.0
≥ 6000 ≥ 5000	34.5	56.8	66.2	70.0	72.0	72.8	73.2	73.7	73.7	73.8	74.0	74.1	74.3	74.3	74.3	74.5
≥ 4500 ≥ 4000	34.5	56.8	66.2	70.0	72.0	72.8	73.2	73.7	73.7	73.8	74.0	74.1	74.3	74.3	74.3	74.5
≥ 3500 ≥ 3000	35.8	58.7	68.3	72.2	74.2	74.9	75.4	75.8	75.8	75.9	76.1	76.2	76.5	76.5	76.5	76.7
≥ 2500 ≥ 2000	36.0	58.9	68.7	72.6	74.7	75.5	75.9	76.3	76.3	76.5	76.7	76.8	77.0	77.0	77.0	77.2
≥ 1800 ≥ 1500	36.5	59.8	69.6	73.5	75.7	76.5	76.9	77.3	77.3	77.4	77.6	77.7	78.0	78.0	78.0	78.2
≥ 1200 ≥ 1000	37.0	60.5	70.5	74.5	76.7	77.4	77.8	78.3	78.3	78.4	78.6	78.7	78.9	78.9	78.9	79.1
≥ 900 ≥ 800	37.2	60.9	71.0	74.9	77.1	77.8	78.3	78.7	78.7	78.8	79.0	79.1	79.4	79.4	79.4	79.6
≥ 700 ≥ 600	37.4	61.2	71.4	75.4	77.5	78.3	78.7	79.1	79.1	79.2	79.5	79.6	79.8	79.8	79.8	80.0
≥ 500 ≥ 400	37.6	61.6	71.8	75.8	78.0	78.7	79.1	79.6	79.6	79.7	79.9	80.0	80.2	80.2	80.2	80.4
≥ 300 ≥ 200	38.0	62.0	72.9	77.1	79.5	80.2	80.6	81.1	81.1	81.2	81.4	81.5	81.7	81.7	81.7	81.9
≥ 100 ≥ 50	38.0	62.4	73.2	77.4	79.8	80.5	81.0	81.4	81.4	81.5	81.7	81.8	82.0	82.0	82.0	82.3
≥ 30 ≥ 10	38.0	62.4	73.2	77.5	80.0	80.8	81.5	81.9	81.9	82.0	82.3	82.4	82.6	82.6	82.6	82.8
≥ 5 ≥ 1	38.0	62.5	73.5	78.0	80.4	81.2	82.0	82.5	82.5	82.6	82.9	83.0	83.2	83.2	83.2	83.4
≥ 0.5 ≥ 0.25	38.1	62.8	73.9	78.3	80.9	81.6	82.5	82.9	82.9	83.0	83.3	83.4	83.7	83.7	83.7	83.9
≥ 0.15 ≥ 0.1	38.2	63.0	74.2	78.7	81.4	82.4	83.2	83.7	83.7	83.8	84.1	84.2	84.4	84.4	84.4	84.6
≥ 0.05 ≥ 0.025	38.2	63.0	74.2	78.7	81.4	82.4	83.2	83.7	83.7	83.8	84.1	84.2	84.4	84.4	84.4	84.6
≥ 0.01 ≥ 0.005	38.3	63.1	74.3	78.9	81.7	82.7	83.7	84.1	84.1	84.2	84.5	84.6	84.8	84.8	84.8	85.1
≥ 0.005 ≥ 0.0025	38.7	64.3	75.5	80.4	83.4	84.4	85.5	85.9	85.9	86.0	86.5	86.6	86.8	86.8	86.8	87.0
≥ 0.0025 ≥ 0.001	38.7	64.8	76.1	81.6	85.4	86.3	87.4	87.8	87.8	88.0	88.4	88.5	88.7	88.7	88.7	88.9
≥ 0.001 ≥ 0.0005	38.7	64.8	76.2	81.8	86.2	87.3	88.6	89.2	89.2	89.4	89.8	89.9	90.1	90.1	90.1	90.3
≥ 0.0005 ≥ 0.00025	38.7	64.9	76.6	82.4	87.2	88.4	90.1	91.0	91.0	91.2	91.6	91.7	91.9	91.9	91.9	92.2
≥ 0.00025 ≥ 0.0001	38.7	65.1	76.9	82.9	88.2	89.5	91.5	92.6	92.6	92.8	93.3	93.4	93.7	93.8	94.0	94.2
≥ 0.0001 ≥ 0.00005	38.7	65.1	76.9	82.9	88.7	90.2	92.8	94.0	94.0	94.4	95.2	95.3	95.7	95.9	96.2	96.9
≥ 0.00005 ≥ 0.000025	38.7	65.1	76.9	82.9	88.7	90.2	92.9	94.1	94.1	94.8	95.8	95.9	96.6	96.8	97.3	99.0
≥ 0.000025 ≥ 0.00001	38.7	65.1	76.9	82.9	88.7	90.2	92.9	94.1	94.1	94.8	95.8	95.9	96.6	96.8	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS U.S.T.

CEILING FEET	VISIBILITY - STATUTE MILES.															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/2	≥1/4	≥1/4	≥0
NO CEILING	10.8	28.0	35.3	42.7	48.4	50.3	52.0	53.3	53.8	54.8	55.4	55.4	55.6	55.7	56.2	56.6
≥ 20000	11.0	29.0	37.1	45.2	51.4	53.4	55.2	56.5	56.9	58.3	58.9	58.9	59.5	59.6	60.4	61.0
≥ 18000	11.0	29.2	37.3	45.4	51.6	53.7	55.4	56.8	57.2	58.6	59.2	59.2	59.8	59.9	60.8	61.3
≥ 16000	11.0	29.2	37.3	45.4	51.6	53.7	55.4	56.8	57.2	58.6	59.2	59.2	59.8	59.9	60.8	61.3
≥ 14000	11.0	29.4	37.4	45.5	51.8	54.0	55.7	57.1	57.5	58.9	59.6	59.6	60.1	60.2	61.1	61.6
≥ 12000	11.8	30.5	38.7	46.9	53.7	55.8	57.5	58.9	59.4	60.8	61.4	61.4	61.9	62.0	62.9	63.4
≥ 10000	12.3	32.0	41.1	49.5	56.7	58.9	61.1	62.6	63.0	64.5	65.2	65.2	65.8	65.9	66.9	67.4
≥ 9000	12.3	32.4	41.4	49.8	57.0	59.2	61.4	62.9	63.3	64.8	65.5	65.5	66.1	66.2	67.2	67.7
≥ 8000	12.5	33.0	42.9	51.6	58.9	61.3	63.7	65.2	65.6	67.2	68.0	68.0	68.6	68.7	69.7	70.3
≥ 7000	12.9	34.0	44.0	52.8	60.1	62.5	64.8	66.6	67.0	68.6	69.4	69.4	70.0	70.1	71.1	71.7
≥ 6000	13.5	35.2	45.3	54.1	61.5	64.0	66.3	68.1	68.5	70.1	70.9	70.9	71.5	71.6	72.6	73.2
≥ 5000	13.9	35.6	45.9	54.8	62.4	64.8	67.3	69.2	69.7	71.3	72.0	72.0	72.7	72.8	73.8	74.4
≥ 4500	13.9	35.6	45.9	54.9	62.5	64.9	67.4	69.4	69.8	71.4	72.2	72.2	72.8	72.9	73.9	74.5
≥ 4000	14.1	35.9	46.3	55.5	63.2	65.7	68.2	70.1	70.5	72.2	72.9	72.9	73.5	73.7	74.6	75.3
≥ 3500	14.1	35.9	46.3	55.9	63.8	66.2	68.7	70.6	71.1	72.7	73.4	73.4	74.1	74.2	75.2	75.8
≥ 3000	14.1	36.0	46.6	56.2	64.1	66.6	69.0	71.1	71.5	73.1	73.9	73.9	74.5	74.6	75.6	76.2
≥ 2500	14.4	36.3	47.1	56.9	64.7	67.3	69.8	71.8	72.3	73.9	74.6	74.6	75.3	75.4	76.3	77.0
≥ 2000	14.5	36.7	47.8	57.6	65.6	68.3	70.9	72.9	73.3	74.9	75.7	75.7	76.3	76.5	77.4	78.1
≥ 1800	14.5	36.7	47.8	57.7	65.7	68.4	71.0	73.0	73.4	75.1	75.8	75.8	76.5	76.6	77.5	78.2
≥ 1500	14.5	36.8	48.2	58.1	66.0	68.7	71.4	73.4	73.9	75.5	76.2	76.2	76.9	77.0	78.0	78.6
≥ 1200	14.5	37.0	48.6	58.6	67.0	69.7	72.5	74.5	74.9	76.6	77.3	77.3	78.1	78.2	79.1	79.8
≥ 1000	14.5	37.2	48.9	59.0	67.6	70.3	73.1	75.2	75.6	77.2	78.0	78.0	78.7	78.8	79.8	80.4
≥ 900	14.5	37.3	49.0	59.1	67.7	70.4	73.2	75.3	75.7	77.3	78.1	78.1	78.8	78.9	79.9	80.5
≥ 800	14.6	37.4	49.4	59.8	68.7	71.4	74.2	76.2	76.8	78.4	79.1	79.1	79.9	80.0	81.0	81.6
≥ 700	14.7	38.0	50.3	61.0	70.0	72.9	75.8	77.8	78.4	80.0	80.8	80.8	81.5	81.6	82.6	83.2
≥ 600	14.7	38.1	50.6	61.7	71.2	74.3	77.4	79.8	80.3	81.9	82.7	82.7	83.4	83.5	84.5	85.2
≥ 500	14.7	38.2	51.1	62.5	72.9	76.3	80.3	83.3	84.0	85.6	86.3	86.3	87.1	87.2	88.2	88.8
≥ 400	14.7	38.4	51.5	63.0	73.5	77.3	81.6	85.1	85.9	87.8	88.7	88.7	89.5	89.6	90.6	91.3
≥ 300	14.7	38.4	51.5	63.1	74.0	78.2	83.1	87.1	88.1	90.4	91.6	91.6	92.5	92.7	93.8	94.4
≥ 200	14.7	38.4	51.5	63.2	74.1	78.3	83.4	87.8	88.9	91.4	93.0	93.0	94.4	94.8	96.0	97.3
≥ 100	14.7	38.4	51.5	63.2	74.1	78.3	83.4	88.0	89.0	91.5	93.1	93.1	94.8	95.3	96.9	99.6
≥ 0	14.7	38.4	51.5	63.2	74.1	78.3	83.4	88.0	89.0	91.5	93.1	93.1	94.8	95.3	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	27.3	51.0	55.8	57.5	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	28.5	54.4	59.5	61.2	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 18000	28.5	54.4	59.5	61.2	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 16000	28.5	54.4	59.5	61.2	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 14000	28.5	55.2	60.2	61.9	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 12000	30.0	58.0	63.3	65.3	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 10000	32.6	62.7	68.4	70.8	72.6	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 9000	32.6	62.8	68.5	70.9	72.7	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 8000	33.0	64.9	70.8	73.1	74.9	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	33.4	65.7	71.5	74.1	75.9	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 6000	33.7	65.9	71.7	74.3	76.1	76.2	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 5000	34.0	66.6	72.5	75.1	76.9	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 4500	34.0	66.6	72.5	75.1	76.9	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 4000	34.5	67.5	73.7	76.2	78.1	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500	34.7	67.8	74.0	76.6	78.4	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	34.9	69.4	75.5	78.3	80.1	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 2500	35.1	70.0	76.5	79.2	81.1	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2000	35.3	71.0	77.6	80.5	82.5	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1800	35.3	71.5	78.5	81.5	83.4	83.5	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1500	35.7	73.2	80.6	84.0	86.0	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1200	35.8	74.4	82.3	85.8	88.1	88.3	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1000	36.0	75.5	84.0	88.1	90.8	91.1	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 900	36.1	75.8	84.3	88.5	91.4	91.9	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 800	36.3	76.5	85.2	90.0	93.0	93.7	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 700	36.3	76.9	85.8	90.8	94.0	94.6	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600	36.3	77.5	86.6	91.5	95.3	96.1	96.6	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 500	36.3	77.7	87.0	92.4	96.6	97.5	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	36.3	77.7	87.0	92.6	96.8	97.8	98.7	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	36.3	77.7	87.0	92.6	96.8	97.8	98.8	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	36.3	77.7	87.0	92.6	96.8	97.8	98.8	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	36.3	77.7	87.0	92.6	96.8	97.8	98.8	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	36.3	77.7	87.0	92.6	96.8	97.8	98.8	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS U.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	38.3	60.1	61.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 20000	41.0	66.3	67.8	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 18000	41.0	66.3	67.8	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 16000	41.0	66.3	67.8	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 14000	41.4	67.2	68.7	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 12000	43.0	70.2	71.9	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 10000	45.1	74.6	77.2	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 9000	45.1	74.7	77.3	78.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 8000	46.0	77.7	80.4	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 7000	46.3	78.4	81.2	82.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 6000	46.5	78.7	81.5	83.0	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 5000	46.7	79.0	81.8	83.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500	46.7	79.1	82.0	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4000	47.5	81.0	83.9	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3500	48.0	82.0	84.9	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3000	48.6	83.7	86.8	88.5	89.1	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2500	49.0	85.4	88.7	90.4	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	49.4	87.6	91.2	93.0	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1800	49.4	88.2	91.7	93.5	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1500	49.6	89.1	93.0	95.1	95.8	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	49.8	90.3	94.3	96.3	97.1	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	49.8	90.5	94.6	96.8	97.7	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	49.8	90.6	94.8	97.0	98.0	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	49.8	90.8	94.9	97.1	98.2	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	49.8	90.8	94.9	97.1	98.4	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	49.8	90.8	95.1	97.3	98.6	98.9	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	49.8	90.8	95.2	97.5	98.9	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	49.8	90.8	95.2	97.5	98.9	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	49.8	90.8	95.2	97.5	98.9	99.2	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	49.8	90.8	95.2	97.5	98.9	99.2	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	49.8	90.8	95.2	97.5	98.9	99.2	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	49.8	90.8	95.2	97.5	98.9	99.2	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70,74-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS LT

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	39.0	57.7	59.4	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 20000	42.6	65.6	67.5	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 18000	42.6	65.6	67.5	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 16000	42.6	65.6	67.5	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 14000	42.7	66.1	68.1	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 12000	44.3	68.9	71.1	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 10000	48.0	75.1	78.1	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 9000	48.1	75.3	78.3	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 8000	48.7	77.6	81.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 7000	49.0	78.7	82.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 6000	49.2	79.0	82.6	84.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 5000	49.5	79.6	83.2	85.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4500	49.6	79.7	83.7	85.6	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 4000	49.9	81.6	85.9	88.3	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3500	50.3	82.8	87.3	89.7	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 3000	50.9	84.1	88.9	91.8	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2500	51.3	85.2	90.0	93.1	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2000	51.4	85.8	90.9	94.2	95.8	96.1	96.1	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	51.4	86.5	91.5	94.8	96.5	96.8	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	51.4	86.7	91.7	95.2	96.9	97.2	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200	51.4	86.8	91.8	95.4	97.2	97.5	97.7	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	51.4	87.0	92.2	95.7	97.5	97.8	98.1	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	51.5	87.1	92.3	95.8	97.6	98.0	98.2	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	51.5	87.2	92.4	95.9	98.0	98.3	98.5	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.4
≥ 700	51.5	87.2	92.4	96.0	98.1	98.4	98.6	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.5
≥ 600	51.5	87.2	92.4	96.0	98.1	98.4	98.6	99.0	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.7
≥ 500	51.5	87.3	92.5	96.1	98.2	98.6	98.8	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0
≥ 400	51.5	87.3	92.5	96.1	98.2	98.6	98.8	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0
≥ 300	51.5	87.3	92.5	96.1	98.2	98.6	98.8	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200	51.5	87.3	92.5	96.1	98.2	98.6	98.8	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	51.5	87.3	92.5	96.1	98.2	98.6	98.8	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	51.5	87.3	92.5	96.1	98.2	98.6	98.8	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS U.S.T.

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 0
NO CEILING	36.6	54.0	56.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 20000	40.1	60.4	63.9	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 18000	40.5	60.9	64.3	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 16000	40.5	60.9	64.3	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 14000	40.9	61.4	64.8	66.3	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 12000	42.5	64.5	68.3	70.1	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 10000	47.1	73.1	77.6	79.8	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 9000	47.7	74.2	78.7	80.9	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 8000	49.8	77.0	81.9	84.6	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 7000	50.4	78.2	83.3	86.3	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 6000	50.9	78.9	84.2	87.2	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 5000	51.2	79.8	85.2	88.2	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 4500	51.4	80.3	85.7	88.8	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 4000	51.8	81.6	87.0	90.3	91.3	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3500	52.5	82.8	88.4	91.8	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 3000	53.0	83.9	90.0	93.4	94.5	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2500	53.0	84.2	90.5	94.1	95.2	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000	53.0	84.4	90.9	94.4	95.5	95.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	53.1	84.5	91.0	94.5	95.6	95.8	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1500	53.1	84.9	91.5	95.1	96.3	96.6	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	53.1	85.2	91.7	95.3	96.7	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	53.1	85.3	91.8	95.6	97.1	97.3	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	53.1	85.3	91.9	95.7	97.2	97.4	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	53.1	85.3	91.9	95.7	97.2	97.4	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	53.1	85.4	92.2	95.9	97.4	97.6	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	53.1	85.5	92.3	96.0	97.5	97.8	99.0	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	53.2	85.6	92.4	96.2	97.7	98.1	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	53.2	85.6	92.4	96.3	97.8	98.2	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	53.2	85.6	92.4	96.3	97.8	98.2	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	53.2	85.6	92.4	96.3	97.8	98.2	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	53.2	85.6	92.4	96.3	97.8	98.2	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	53.2	85.6	92.4	96.3	97.8	98.2	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	46.1	63.3	65.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≤ 20000	47.8	67.1	70.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 18000 ≤ 6000	48.0	67.3	70.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 14000 ≤ 12000	48.4	68.0	70.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000 ≤ 9000	53.1	75.9	79.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 8000 ≤ 7000	53.7	76.6	80.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 6000 ≤ 5000	56.0	80.0	83.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4500 ≤ 4000	56.2	81.0	84.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3500 ≤ 3000	57.6	82.5	86.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 2500 ≤ 2000	58.3	83.1	87.1	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1800 ≤ 1500	58.9	84.7	88.8	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1200 ≤ 1000	59.2	85.5	89.7	91.2	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 900 ≤ 800	59.8	86.8	91.5	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 700 ≤ 600	60.0	87.5	92.3	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500 ≤ 400	60.0	88.0	92.7	94.3	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 300 ≤ 200	60.0	88.2	92.9	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 100 ≤ 0	60.0	88.3	93.1	94.7	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 0	60.0	88.6	93.5	95.2	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 0	60.0	88.8	94.0	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 0	60.0	88.9	94.1	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 0	60.0	89.1	94.4	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 0	60.1	89.4	94.7	96.3	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 0	60.4	89.8	95.2	97.2	97.6	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 0	60.6	90.1	95.5	97.6	98.1	98.1	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0	60.6	90.2	96.0	98.2	98.8	98.8	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	60.6	90.2	96.2	98.4	99.0	99.0	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	60.6	90.2	96.2	98.4	99.0	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	60.6	90.2	96.2	98.4	99.0	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70,74-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 11-11

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING ≥ 20000	34.2	53.6	57.7	59.9	61.0	61.4	61.7	61.9	61.9	62.1	62.2	62.2	62.2	62.3	62.3	62.4
IN 18000	36.1	57.8	62.4	64.9	66.2	66.5	66.8	67.1	67.1	67.3	67.4	67.4	67.5	67.6	67.7	67.8
IN 16000	36.1	57.8	62.4	64.9	66.2	66.5	66.8	67.1	67.1	67.3	67.4	67.4	67.5	67.6	67.7	67.8
IN 14000	36.3	58.3	62.9	65.4	66.7	67.2	67.4	67.7	67.7	67.9	68.1	68.1	68.2	68.2	68.3	68.4
IN 12000	37.8	60.5	65.4	68.0	69.4	69.8	70.1	70.3	70.4	70.6	70.7	70.7	70.8	70.8	70.9	71.0
IN 10000	40.2	65.3	70.7	73.6	75.2	75.6	76.0	76.3	76.3	76.5	76.6	76.6	76.7	76.8	76.9	77.0
IN 9000	40.3	65.6	71.0	73.9	75.5	76.0	76.3	76.6	76.6	76.8	76.9	77.0	77.1	77.1	77.2	77.3
IN 8000	41.6	67.9	73.7	76.7	78.4	78.9	79.2	79.5	79.6	79.8	79.9	79.9	80.0	80.1	80.2	80.3
IN 7000	41.9	68.7	74.6	77.7	79.5	79.9	80.3	80.6	80.7	80.9	81.0	81.0	81.1	81.2	81.3	81.4
IN 6000	42.5	69.5	75.4	78.6	80.3	80.8	81.2	81.5	81.5	81.8	81.9	81.9	82.0	82.0	82.2	82.3
IN 5000	42.8	70.1	76.1	79.3	81.1	81.6	81.9	82.3	82.3	82.5	82.7	82.7	82.8	82.8	82.9	83.0
IN 4500	42.9	70.3	76.4	79.7	81.5	82.0	82.4	82.7	82.8	83.0	83.1	83.1	83.2	83.3	83.4	83.5
IN 4000	43.4	71.4	77.6	81.0	82.8	83.4	83.8	84.1	84.2	84.4	84.5	84.6	84.7	84.7	84.8	84.9
IN 3500	43.7	72.0	78.3	81.8	83.7	84.2	84.7	85.0	85.0	85.3	85.4	85.4	85.5	85.5	85.6	85.8
IN 3000	44.1	73.1	79.7	83.4	85.3	85.9	86.4	86.7	86.8	87.0	87.1	87.1	87.2	87.3	87.4	87.5
IN 2500	44.3	73.8	80.6	84.2	86.3	86.9	87.3	87.7	87.7	87.9	88.1	88.1	88.2	88.2	88.3	88.4
IN 2000	44.4	74.5	81.4	85.1	87.2	87.8	88.3	88.7	88.8	89.0	89.1	89.2	89.3	89.3	89.4	89.5
IN 1800	44.5	74.7	81.7	85.5	87.6	88.2	88.7	89.1	89.2	89.4	89.5	89.5	89.7	89.7	89.8	89.9
IN 1500	44.6	75.2	82.3	86.2	88.4	89.0	89.6	90.0	90.1	90.3	90.5	90.5	90.6	90.6	90.7	90.8
IN 1200	44.6	75.7	82.9	86.9	89.2	89.8	90.4	90.9	90.9	91.2	91.3	91.3	91.5	91.5	91.6	91.7
IN 1000	44.7	76.0	83.5	87.6	90.0	90.7	91.4	91.8	91.9	92.1	92.3	92.3	92.4	92.4	92.5	92.6
IN 900	44.7	76.1	83.6	87.7	90.2	91.0	91.6	92.1	92.2	92.4	92.5	92.6	92.7	92.7	92.8	92.9
IN 800	44.8	76.3	83.9	88.2	90.8	91.5	92.3	92.8	92.8	93.1	93.3	93.3	93.4	93.4	93.5	93.6
IN 700	44.8	76.7	84.3	88.8	91.5	92.2	93.1	93.6	93.7	93.9	94.1	94.1	94.2	94.3	94.4	94.5
IN 600	44.9	76.9	84.7	89.3	92.3	93.1	94.0	94.6	94.7	95.0	95.2	95.2	95.3	95.3	95.4	95.6
IN 500	44.9	77.1	84.9	89.7	93.0	93.9	95.1	95.8	95.9	96.2	96.4	96.4	96.5	96.5	96.6	96.7
IN 400	44.9	77.2	85.1	90.0	93.4	94.4	95.7	96.5	96.7	97.0	97.2	97.3	97.4	97.4	97.5	97.6
IN 300	44.9	77.2	85.2	90.1	93.7	94.8	96.2	97.1	97.3	97.7	98.0	98.0	98.1	98.2	98.3	98.4
IN 200	44.9	77.2	85.2	90.2	93.8	94.9	96.4	97.5	97.6	98.1	98.5	98.5	98.7	98.8	99.0	99.2
IN 100	44.9	77.2	85.2	90.2	93.8	94.9	96.5	97.5	97.6	98.2	98.6	98.6	98.9	99.0	99.3	99.8
IN 0	44.9	77.2	85.2	90.2	93.8	94.9	96.5	97.5	97.6	98.2	98.6	98.6	98.9	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	40.2	60.8	65.3	66.3	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.4	67.6	67.6	67.7	67.7
≥ 20000	41.8	64.8	69.8	71.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.1	72.2	72.2	72.3	72.3
≥ 18000	41.8	64.8	69.8	71.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.1	72.2	72.2	72.3	72.3
≥ 16000	41.8	64.8	69.8	71.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.1	72.2	72.2	72.3	72.3
≥ 14000	41.8	64.8	69.8	71.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.1	72.2	72.2	72.3	72.3
≥ 12000	44.2	67.2	72.2	73.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.8	74.9	74.9	75.0	75.0
≥ 10000	46.0	71.1	76.6	77.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.1	79.2	79.2	79.3	79.3
≥ 9000	46.0	71.1	76.6	77.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.1	79.2	79.2	79.3	79.3
≥ 8000	47.2	72.8	78.2	79.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.2	81.3	81.3	81.4	81.4
≥ 7000	47.6	73.3	78.8	80.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.8	81.9	81.9	82.0	82.0
≥ 6000	47.9	73.7	79.2	80.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.2	82.3	82.3	82.4	82.4
≥ 5000	48.2	74.2	79.9	81.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	83.0	83.1	83.1	83.2	83.2
≥ 4500	48.2	74.2	79.9	81.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	83.0	83.1	83.1	83.2	83.2
≥ 4000	48.4	75.1	81.0	82.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.1	84.2	84.2	84.3	84.3
≥ 3500	48.8	75.6	81.4	83.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.8	84.9	84.9	85.0	85.0
≥ 3000	49.3	76.7	82.7	84.8	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.2	86.3	86.3	86.4	86.4
≥ 2500	49.3	77.4	83.6	85.9	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.4	87.6	87.6	87.7	87.7
≥ 2000	49.6	78.4	84.7	87.0	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.7	88.8	88.8	88.9	88.9
≥ 1800	49.6	78.6	84.8	87.1	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.9	89.0	89.0	89.1	89.1
≥ 1500	49.9	79.0	85.4	87.8	89.4	89.4	89.4	89.4	89.6	89.6	89.6	89.8	89.9	89.9	90.0	90.0
≥ 1200	50.1	79.6	86.0	88.3	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.3	90.4	90.4	90.6	90.6
≥ 1000	50.2	79.7	86.2	88.8	90.9	91.0	91.0	91.0	91.1	91.1	91.1	91.3	91.4	91.4	91.6	91.6
≥ 900	50.6	80.2	86.9	89.6	91.7	91.8	91.8	91.8	91.9	91.9	91.9	92.1	92.2	92.2	92.3	92.3
≥ 800	50.9	80.9	87.7	90.6	92.7	92.8	92.8	92.8	92.9	92.9	92.9	93.1	93.2	93.2	93.3	93.3
≥ 700	51.0	81.1	88.0	90.9	93.3	93.4	93.4	93.4	93.6	93.6	93.6	93.8	93.9	93.9	94.0	94.0
≥ 600	51.1	81.3	88.2	91.3	93.9	94.0	94.0	94.0	94.1	94.1	94.1	94.3	94.4	94.4	94.6	94.6
≥ 500	51.1	81.7	88.6	91.8	94.8	95.0	95.0	95.0	95.1	95.2	95.2	95.4	95.6	95.6	95.7	95.7
≥ 400	51.2	81.8	88.9	93.1	96.3	96.7	96.7	96.7	96.8	96.9	96.9	97.1	97.2	97.2	97.3	97.3
≥ 300	51.3	81.9	89.0	93.4	97.1	97.4	97.4	97.4	97.7	97.7	97.7	98.1	98.2	98.2	98.4	98.4
≥ 200	51.3	81.9	89.0	93.4	97.1	97.4	97.4	97.4	97.7	97.7	97.7	98.1	98.2	98.3	98.5	98.5
≥ 100	51.3	81.9	89.0	93.4	97.1	97.4	97.4	97.4	97.7	97.7	97.7	98.3	98.4	98.6	98.8	98.8
≥ 0	51.3	81.9	89.0	93.4	97.1	97.4	97.4	97.4	97.7	97.7	97.7	98.3	98.4	98.6	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	29.1	48.6	54.6	57.9	59.3	59.4	60.4	61.1	61.7	61.9	62.1	62.1	62.2	62.4	63.0	63.2
≥ 20000	29.6	50.7	57.4	61.7	63.2	63.3	64.3	65.0	65.6	65.8	66.0	66.0	66.1	66.3	67.1	67.3
IV 18000	29.6	50.7	57.4	61.7	63.2	63.3	64.3	65.0	65.6	65.8	66.0	66.0	66.1	66.3	67.1	67.3
IV 16000	29.6	50.7	57.4	61.7	63.2	63.3	64.3	65.0	65.6	65.8	66.0	66.0	66.1	66.3	67.1	67.3
IV 14000	29.6	50.7	57.4	61.7	63.2	63.3	64.3	65.0	65.6	65.8	66.0	66.0	66.1	66.3	67.1	67.3
IV 12000	30.1	51.4	58.3	62.7	64.4	64.6	65.7	66.3	66.9	67.1	67.3	67.3	67.4	67.7	68.4	68.7
IV 10000	31.7	55.0	62.4	66.8	68.6	68.7	69.8	70.4	71.0	71.2	71.4	71.4	71.6	71.8	72.6	72.8
IV 9000	31.8	55.1	62.6	66.9	68.7	68.8	69.9	70.6	71.1	71.3	71.6	71.6	71.7	71.9	72.7	72.9
IV 8000	33.6	57.0	64.7	69.3	71.1	71.2	72.3	73.0	73.6	73.8	74.0	74.0	74.1	74.3	75.1	75.3
IV 7000	33.8	57.6	65.2	69.9	71.7	71.8	72.9	73.6	74.1	74.3	74.6	74.6	74.7	74.9	75.7	75.9
IV 6000	34.1	58.1	65.8	70.4	72.2	72.3	73.4	74.1	74.7	74.9	75.1	75.1	75.2	75.4	76.2	76.4
IV 5000	34.2	58.4	66.1	70.8	72.6	72.7	73.8	74.4	75.0	75.2	75.4	75.4	75.6	75.8	76.6	76.8
IV 4500	34.4	58.7	66.4	71.1	73.0	73.1	74.2	74.9	75.4	75.7	75.9	75.9	76.0	76.2	77.0	77.2
IV 4000	35.0	59.4	67.3	72.0	73.9	74.0	75.2	75.9	76.4	76.7	76.9	76.9	77.0	77.2	78.0	78.2
IV 3500	35.1	59.7	67.6	72.3	74.2	74.3	75.6	76.2	76.8	77.0	77.2	77.2	77.3	77.6	78.3	78.6
IV 3000	35.6	61.0	68.9	73.7	75.6	75.7	76.9	77.6	78.1	78.3	78.6	78.6	78.7	78.9	79.7	79.9
IV 2500	35.7	61.4	69.7	74.6	76.6	76.7	77.9	78.6	79.1	79.3	79.6	79.6	79.7	79.9	80.7	80.9
IV 2000	35.7	61.6	69.8	74.7	76.7	76.8	78.0	78.7	79.2	79.4	79.7	79.7	79.8	80.0	80.8	81.0
IV 1800	35.7	61.6	69.9	74.8	76.8	76.9	78.1	78.8	79.3	79.6	79.8	79.8	79.9	80.1	80.9	81.1
IV 1500	36.0	62.7	71.2	76.1	78.2	78.3	79.6	80.2	80.8	81.0	81.2	81.2	81.3	81.6	82.3	82.6
IV 1200	36.4	63.7	72.4	77.3	79.6	79.7	80.9	81.6	82.1	82.3	82.7	82.7	82.8	83.0	83.9	84.0
IV 1000	36.4	64.1	73.0	77.9	80.2	80.3	81.6	82.2	82.8	83.0	83.3	83.3	83.4	83.7	84.4	84.7
IV 900	36.6	64.6	73.9	78.8	81.1	81.2	82.4	83.1	83.7	83.9	84.2	84.2	84.3	84.6	85.3	85.6
IV 800	36.6	65.1	74.6	80.0	82.4	82.6	83.8	84.4	85.0	85.2	85.6	85.6	85.7	85.9	86.7	86.9
IV 700	36.6	65.6	75.3	81.0	83.4	83.6	84.8	85.4	86.0	86.2	86.6	86.6	86.7	86.9	87.7	87.9
IV 600	36.9	66.3	76.2	82.0	84.8	85.0	86.2	86.9	87.4	87.7	88.0	88.0	88.1	88.3	89.1	89.3
IV 500	36.9	66.6	76.4	82.7	86.4	86.8	88.4	89.1	89.7	89.9	90.2	90.2	90.3	90.6	91.4	91.7
IV 400	36.9	66.8	76.8	84.1	88.3	88.8	90.4	91.4	92.0	92.2	92.6	92.6	92.8	93.0	94.0	94.2
IV 300	36.9	66.8	76.8	84.4	89.0	89.7	91.9	93.1	93.7	94.1	94.4	94.4	94.7	94.9	95.9	96.1
IV 200	37.0	66.9	76.9	84.7	89.2	90.0	92.7	94.1	94.7	95.2	95.8	95.8	96.1	96.6	97.7	98.3
IV 100	37.0	66.9	76.9	84.7	89.2	90.0	92.7	94.2	94.8	95.4	96.0	96.0	96.4	97.1	98.2	99.6
IV 0	37.0	66.9	76.9	84.7	89.2	90.0	92.7	94.2	94.8	95.4	96.0	96.0	96.4	97.1	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.10	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	10.0	24.2	30.2	37.1	41.3	43.8	46.3	47.8	48.4	49.3	49.9	50.0	50.6	50.7	51.4	52.1
≥ 20000	10.9	25.7	32.1	39.8	44.4	46.9	49.4	51.0	51.7	52.6	53.2	53.3	54.0	54.1	54.9	55.7
≥ 18000	10.9	25.9	32.1	39.8	44.6	47.0	49.6	51.1	51.8	52.7	53.3	53.4	54.1	54.2	55.0	55.8
≥ 16000	10.9	25.9	32.1	39.8	44.6	47.0	49.6	51.1	51.8	52.7	53.3	53.4	54.1	54.2	55.0	55.8
≥ 14000	11.0	26.8	33.1	40.8	45.6	48.0	50.7	52.2	52.9	53.8	54.4	54.6	55.2	55.3	56.1	56.9
≥ 12000	11.2	28.2	35.1	43.1	48.3	51.0	53.8	55.4	56.1	57.1	58.0	58.1	58.8	58.9	59.7	60.4
≥ 10000	12.2	30.3	37.4	45.6	51.9	54.6	57.4	59.1	59.8	60.8	61.7	61.8	62.4	62.6	63.3	64.1
≥ 9000	12.9	31.2	38.3	46.4	52.8	55.4	58.3	60.0	60.7	61.7	62.6	62.7	63.3	63.4	64.2	65.0
≥ 8000	13.7	32.9	40.9	49.6	56.4	59.2	62.2	63.9	64.6	65.6	66.4	66.4	67.2	67.3	68.1	68.9
≥ 7000	13.8	33.1	41.3	50.2	57.1	59.9	63.0	64.8	65.4	66.4	67.3	67.4	68.1	68.2	69.0	69.8
≥ 6000	13.9	33.3	41.8	50.8	58.0	60.8	63.9	65.7	66.3	67.3	68.2	68.3	69.0	69.1	69.9	70.7
≥ 5000	14.3	34.0	42.7	51.7	59.2	62.1	65.2	67.1	67.8	68.8	69.7	69.8	70.4	70.6	71.3	72.1
≥ 4500	14.4	34.2	43.0	52.0	59.7	62.6	65.7	67.6	68.2	69.2	70.1	70.2	70.9	71.0	71.9	72.7
≥ 4000	14.9	35.0	43.8	53.1	61.0	64.0	67.1	69.0	69.7	70.7	71.6	71.7	72.3	72.4	73.3	74.1
≥ 3500	15.1	35.2	44.0	53.3	61.2	64.2	67.3	69.2	69.9	70.9	71.8	71.9	72.6	72.7	73.6	74.3
≥ 3000	15.2	35.7	44.4	53.8	61.8	64.8	67.9	69.8	70.4	71.4	72.3	72.4	73.1	73.2	74.1	74.9
≥ 2500	15.2	36.2	45.1	54.6	62.6	65.6	68.7	70.8	71.4	72.4	73.3	73.4	74.1	74.2	75.1	75.9
≥ 2000	15.2	36.9	45.9	55.3	63.4	66.4	69.6	71.7	72.3	73.3	74.2	74.3	75.0	75.1	76.0	76.8
≥ 1800	15.2	37.0	46.0	55.6	63.7	66.7	69.8	71.9	72.6	73.6	74.4	74.6	75.2	75.3	76.2	77.0
≥ 1500	15.8	38.1	47.6	57.2	65.3	68.3	71.4	73.6	74.2	75.2	76.1	76.2	76.9	77.0	77.9	78.7
≥ 1200	15.9	39.6	48.8	58.6	66.7	69.7	72.8	74.9	75.6	76.6	77.4	77.6	78.2	78.3	79.2	80.0
≥ 1000	16.0	39.2	49.0	59.0	67.4	70.4	73.7	75.8	76.4	77.4	78.3	78.4	79.1	79.2	80.1	80.9
≥ 900	16.0	39.7	49.4	59.6	68.1	71.1	74.4	76.6	77.2	78.2	79.1	79.2	79.9	80.0	80.9	81.7
≥ 800	16.1	40.1	50.2	60.6	69.3	72.4	75.8	77.9	78.6	79.6	80.4	80.6	81.2	81.3	82.2	83.0
≥ 700	16.1	40.8	50.9	61.2	70.1	73.3	76.7	78.7	79.4	80.4	81.3	81.4	82.1	82.2	83.1	83.9
≥ 600	16.1	41.2	51.6	62.3	71.3	74.6	78.0	80.2	81.0	82.0	82.9	83.0	83.7	83.8	84.7	85.4
≥ 500	16.2	41.4	51.8	63.1	72.6	76.0	79.8	82.1	82.9	83.9	84.9	85.0	85.7	85.8	86.8	87.6
≥ 400	16.2	41.4	51.9	63.4	73.9	77.8	82.1	85.2	86.1	87.3	88.3	88.4	89.1	89.2	90.2	91.1
≥ 300	16.2	41.4	51.9	63.7	74.1	78.2	83.0	86.9	88.1	89.3	90.7	90.8	91.4	91.7	92.9	94.1
≥ 200	16.2	41.4	51.9	63.7	74.1	78.2	83.2	87.6	88.8	90.1	91.9	92.1	93.2	93.7	95.4	97.2
≥ 100	16.2	41.4	51.9	63.7	74.1	78.2	83.2	87.6	88.8	90.1	91.9	92.1	93.7	94.2	96.6	99.6
≥ 0	16.2	41.4	51.9	63.7	74.1	78.2	83.2	87.6	88.8	90.1	91.9	92.1	93.7	94.2	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS UT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	25.0	47.7	51.3	53.6	54.7	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	26.7	52.2	56.1	58.3	59.6	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8
≥ 18000	26.7	52.2	56.1	58.3	59.6	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8
≥ 16000	26.7	52.2	56.1	58.3	59.6	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8
≥ 14000	27.2	53.1	57.2	59.4	60.7	60.9	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000	27.7	54.6	59.4	62.2	63.7	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0
≥ 10000	29.6	57.2	64.0	66.9	68.7	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0
≥ 9000	30.0	58.4	64.7	67.7	69.4	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8
≥ 8000	30.8	60.1	66.9	70.4	72.2	72.4	72.4	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6
≥ 7000	31.2	61.1	68.0	71.7	73.4	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8
≥ 6000	31.4	61.3	68.3	72.1	73.9	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000	31.4	61.1	69.4	73.2	75.0	75.2	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4500	31.7	62.7	70.0	73.9	75.8	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4000	32.1	63.2	70.7	74.6	76.4	76.7	76.7	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3500	32.2	63.3	70.8	74.8	76.7	76.9	76.9	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	32.4	63.8	71.3	75.4	77.3	77.6	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8
≥ 2500	32.9	65.3	72.9	77.2	79.4	79.7	79.7	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000	33.9	67.9	75.6	80.1	82.3	82.6	82.6	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1800	34.1	68.6	76.4	81.0	83.2	83.4	83.4	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1500	35.0	71.0	79.3	84.1	86.3	86.7	86.7	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200	35.2	71.9	80.8	86.0	88.3	88.9	89.0	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1000	35.2	72.7	81.7	87.4	90.2	90.8	90.9	91.2	91.2	91.3	91.4	91.4	91.4	91.6	91.6	91.6
≥ 900	35.2	72.9	81.9	87.8	90.7	91.3	91.4	91.8	91.8	91.9	92.0	92.0	92.0	92.1	92.1	92.1
≥ 800	35.2	73.7	82.7	88.7	91.8	92.7	92.8	93.2	93.2	93.3	93.4	93.4	93.4	93.6	93.6	93.6
≥ 700	35.3	74.6	84.0	90.3	93.8	94.9	95.2	95.8	95.8	95.9	96.0	96.0	96.0	96.1	96.1	96.1
≥ 600	35.4	74.8	84.2	90.6	94.6	95.7	96.0	96.6	96.6	96.8	96.9	96.9	96.9	97.0	97.0	97.0
≥ 500	35.4	74.9	84.3	90.8	94.8	96.3	96.9	97.9	97.9	98.2	98.3	98.3	98.3	98.4	98.4	98.4
≥ 400	35.4	75.0	84.4	91.0	95.0	96.6	97.2	98.3	98.3	98.7	98.8	98.8	98.8	98.9	98.9	98.9
≥ 300	35.4	75.1	84.6	91.1	95.1	96.7	97.3	98.4	98.6	99.0	99.2	99.3	99.3	99.4	99.4	99.4
≥ 200	35.4	75.1	84.6	91.2	95.2	96.8	97.4	98.6	98.8	99.2	99.6	99.8	99.8	99.9	100.0	100.0
≥ 100	35.4	75.1	84.6	91.2	95.2	96.8	97.4	98.6	98.8	99.2	99.6	99.8	99.8	99.9	100.0	100.0
≥ 0	35.4	75.1	84.6	91.2	95.2	96.8	97.4	98.6	98.8	99.2	99.6	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING ≥ 20000	35.2	54.0	54.9	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000 ≥ 15000	38.8	62.4	63.7	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 1600 ≥ 1200	38.9	62.8	64.0	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 1000 ≥ 900	40.3	64.8	66.2	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 800 ≥ 700	43.7	72.8	74.8	76.0	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 600 ≥ 500	44.6	75.6	77.9	79.1	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 450 ≥ 400	45.0	76.6	79.0	80.2	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 350 ≥ 300	45.3	77.3	79.9	81.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 250 ≥ 200	46.0	78.6	81.1	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 180 ≥ 150	46.1	78.9	81.4	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 120 ≥ 100	46.7	80.8	83.3	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 90 ≥ 80	47.2	81.7	84.4	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 70 ≥ 60	47.9	83.2	86.2	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 50 ≥ 40	48.4	84.7	87.9	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 30 ≥ 20	49.2	86.1	89.6	92.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 15 ≥ 10	49.2	86.6	90.3	93.1	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 8 ≥ 6	49.4	87.1	91.0	93.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 5 ≥ 4	49.6	87.9	92.0	95.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 3 ≥ 2	49.6	88.1	92.3	95.8	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2 ≥ 1	49.8	88.4	92.7	96.2	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1 ≥ 0.5	49.8	88.6	92.9	96.6	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0.5 ≥ 0.25	49.8	88.6	92.9	96.8	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 0.25 ≥ 0.1	49.8	88.7	93.2	97.2	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 0.1 ≥ 0.05	49.8	88.7	93.2	97.3	98.9	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0.05 ≥ 0.025	49.8	88.7	93.2	97.3	99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0.025 ≥ 0.01	49.8	88.7	93.2	97.3	99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0.01 ≥ 0	49.8	88.7	93.2	97.3	99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS UT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	37.8	55.7	57.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	40.6	63.6	65.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV ≥ 18000	40.7	63.7	66.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV ≥ 16000	40.7	63.7	66.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV ≥ 14000	42.3	65.6	67.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV ≥ 12000	44.9	68.8	71.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV ≥ 10000	47.0	75.4	78.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV ≥ 9000	47.3	75.9	79.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV ≥ 8000	48.8	78.9	82.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV ≥ 7000	48.8	79.9	83.4	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV ≥ 6000	49.6	80.9	84.4	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV ≥ 5000	50.3	82.1	85.8	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV ≥ 4500	50.4	82.8	86.4	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV ≥ 4000	51.0	84.0	88.0	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV ≥ 3500	51.3	84.8	88.9	90.8	90.9	90.9	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV ≥ 3000	51.7	85.7	89.9	91.8	91.9	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV ≥ 2500	52.3	87.3	91.7	93.6	93.8	93.8	94.0	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2
IV ≥ 2000	52.6	87.9	92.2	94.1	94.4	94.7	95.0	95.0	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2
IV ≥ 1800	52.6	88.1	92.4	94.3	94.7	94.9	95.2	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4
IV ≥ 1500	52.7	88.9	93.7	95.6	95.9	96.1	96.4	96.4	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7
IV ≥ 1200	52.7	89.7	94.4	96.4	97.2	97.4	97.8	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1
IV ≥ 1000	52.8	89.8	94.6	96.7	97.6	97.8	98.1	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
IV ≥ 900	52.8	89.9	94.7	96.8	97.7	97.9	98.2	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6
IV ≥ 800	52.8	89.9	94.7	96.8	97.7	97.9	98.2	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6
IV ≥ 700	52.8	90.1	95.0	97.1	98.3	98.6	99.0	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3
IV ≥ 600	52.8	90.1	95.0	97.1	98.3	98.6	99.0	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3
IV ≥ 500	52.8	90.1	95.1	97.3	98.6	98.8	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV ≥ 400	52.8	90.1	95.1	97.3	98.6	98.8	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV ≥ 300	52.8	90.1	95.1	97.3	98.6	98.8	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 200	52.8	90.1	95.1	97.3	98.6	98.8	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 100	52.8	90.1	95.1	97.3	98.6	98.8	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 0	52.8	90.1	95.1	97.3	98.6	98.8	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

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GLOBAL CLIMATOLOGY BRANCH
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CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS UT

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	39.8	60.0	61.1	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	42.2	65.9	67.8	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 18000	42.4	66.1	68.0	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 14000	42.4	66.1	68.0	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 14000	42.8	66.7	68.6	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 12000	46.4	71.2	73.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 10000	48.8	76.8	79.6	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 10000	48.8	76.9	79.8	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 8000	49.7	79.3	82.4	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 8000	50.0	80.4	83.6	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 6000	51.0	81.4	84.7	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 5000	51.3	82.2	85.7	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4500	51.8	83.4	86.9	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 4000	51.9	85.1	88.7	90.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 3500	51.9	85.6	89.2	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3000	52.4	86.7	90.4	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 2500	52.6	87.3	91.2	93.1	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 2000	53.0	88.2	92.3	94.2	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1800	53.0	88.3	92.4	94.3	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1500	53.1	88.8	93.6	95.6	96.4	96.4	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1200	53.3	89.1	93.9	95.9	96.8	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1000	53.4	89.3	94.1	96.1	97.2	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 900	53.7	89.6	94.4	96.4	97.6	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 800	53.7	89.7	94.6	96.6	97.7	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	53.8	89.8	94.7	96.7	97.9	97.9	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	53.9	90.0	95.0	97.0	98.2	98.2	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	54.0	90.1	95.1	97.2	98.4	98.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	54.0	90.1	95.1	97.2	98.4	98.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	54.0	90.1	95.1	97.2	98.6	98.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	54.0	90.1	95.1	97.2	98.6	98.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	54.0	90.1	95.1	97.2	98.6	98.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV	54.0	90.1	95.1	97.2	98.6	98.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS U.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0
NO CEILING	48.0	67.1	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 20000	50.3	72.6	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 18000	50.3	72.6	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 16000	50.3	72.6	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 14000	50.3	72.6	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 12000	52.4	74.9	77.9	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 10000	54.9	79.8	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 9000	54.9	79.8	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 8000	55.4	81.4	84.7	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 7000	55.4	81.8	85.0	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 6000	56.7	83.1	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 5000	56.9	83.6	86.9	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4500	57.1	84.3	87.7	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 4000	57.2	85.3	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3500	57.2	85.7	89.4	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 3000	58.0	86.7	90.4	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2500	58.2	87.3	91.2	91.6	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2000	58.7	88.1	92.2	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1800	58.7	88.2	92.3	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1500	59.0	88.9	93.0	93.4	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200	59.1	89.4	93.8	94.2	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1000	59.4	89.9	94.4	95.0	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	59.6	90.1	94.8	95.4	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800	60.0	91.0	95.7	96.6	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	60.2	91.4	96.1	97.0	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	60.2	91.4	96.2	97.1	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	60.2	91.4	96.2	97.2	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	60.3	91.6	96.4	97.8	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	60.3	91.6	96.4	97.9	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	60.3	91.6	96.4	97.9	99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	60.3	91.6	96.4	97.9	99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ U	60.3	91.6	96.4	97.9	99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING	33.1	52.3	55.6	57.6	58.6	58.9	59.3	59.6	59.8	59.9	60.0	60.1	60.2	60.2	60.4	60.5
≥ 20000	35.1	57.3	61.0	63.3	64.4	64.8	65.2	65.5	65.6	65.8	65.9	65.9	66.1	66.1	66.3	66.4
≥ 18000	35.1	57.3	61.1	63.4	64.5	64.8	65.3	65.6	65.7	65.9	66.0	66.0	66.1	66.2	66.4	66.5
≥ 16000	35.2	57.3	61.1	63.4	64.5	64.9	65.3	65.6	65.7	65.9	66.0	66.0	66.2	66.2	66.4	66.5
≥ 14000	35.7	58.1	62.0	64.3	65.4	65.7	66.2	66.5	66.6	66.8	66.9	66.9	67.0	67.1	67.3	67.4
≥ 12000	37.2	60.4	64.5	67.0	68.2	68.6	69.1	69.4	69.5	69.7	69.8	69.9	70.0	70.0	70.3	70.4
≥ 10000	39.2	64.8	69.4	72.0	73.5	73.9	74.4	74.7	74.8	75.0	75.1	75.2	75.3	75.3	75.5	75.6
≥ 9000	39.4	65.2	69.8	72.4	73.9	74.3	74.8	75.1	75.2	75.4	75.5	75.6	75.7	75.7	75.9	76.0
≥ 8000	40.5	67.3	72.3	75.1	76.7	77.1	77.6	77.9	78.0	78.2	78.3	78.4	78.5	78.5	78.8	78.9
≥ 7000	40.7	68.0	73.0	76.0	77.6	77.9	78.5	78.8	78.9	79.1	79.2	79.3	79.4	79.4	79.6	79.8
≥ 6000	41.2	68.7	73.8	76.8	78.4	78.8	79.3	79.6	79.8	79.9	80.1	80.1	80.2	80.3	80.5	80.6
≥ 5000	41.6	69.4	74.7	77.7	79.4	79.8	80.3	80.6	80.8	80.9	81.1	81.1	81.2	81.3	81.5	81.6
≥ 4500	41.8	69.9	75.2	78.2	79.9	80.3	80.9	81.2	81.3	81.5	81.7	81.7	81.8	81.8	82.1	82.2
≥ 4000	42.2	71.0	76.5	79.5	81.3	81.7	82.3	82.6	82.8	82.9	83.1	83.1	83.2	83.3	83.5	83.6
≥ 3500	42.4	71.4	77.0	80.1	81.9	82.3	82.9	83.2	83.4	83.5	83.7	83.7	83.8	83.9	84.1	84.2
≥ 3000	42.8	72.4	78.0	81.2	83.0	83.5	84.0	84.3	84.5	84.7	84.8	84.9	85.0	85.0	85.3	85.4
≥ 2500	43.1	73.4	79.2	82.5	84.5	84.9	85.5	85.8	86.0	86.2	86.3	86.4	86.5	86.5	86.8	86.9
≥ 2000	43.5	74.4	80.3	83.8	85.8	86.2	86.8	87.2	87.4	87.6	87.7	87.8	87.9	87.9	88.1	88.3
≥ 1800	43.5	74.6	80.6	84.1	86.2	86.6	87.2	87.6	87.8	87.9	88.1	88.2	88.3	88.3	88.5	88.7
≥ 1500	43.9	75.6	81.8	85.5	87.6	88.0	88.6	89.0	89.2	89.4	89.5	89.6	89.7	89.7	89.9	90.1
≥ 1200	44.0	76.3	82.8	86.5	88.7	89.2	89.8	90.3	90.4	90.6	90.8	90.8	90.9	91.0	91.2	91.3
≥ 1000	44.1	76.6	83.2	87.1	89.5	90.0	90.7	91.1	91.3	91.5	91.7	91.7	91.8	91.9	92.1	92.2
≥ 900	44.3	76.9	83.6	87.6	90.0	90.6	91.2	91.7	91.8	92.0	92.2	92.2	92.3	92.4	92.6	92.8
≥ 800	44.4	77.4	84.1	88.3	90.5	91.4	92.1	92.6	92.8	92.9	93.1	93.2	93.3	93.3	93.5	93.7
≥ 700	44.4	77.7	84.6	88.9	91.6	92.2	93.0	93.5	93.6	93.8	94.0	94.0	94.2	94.2	94.4	94.6
≥ 600	44.5	78.0	85.0	89.3	92.2	92.9	93.7	94.1	94.3	94.5	94.7	94.7	94.8	94.9	95.1	95.3
≥ 500	44.6	78.1	85.1	89.7	92.8	93.6	94.6	95.2	95.4	95.6	95.8	95.9	96.0	96.0	96.3	96.4
≥ 400	44.6	78.2	85.2	90.2	93.5	94.4	95.5	96.2	96.4	96.7	96.9	96.9	97.1	97.1	97.4	97.5
≥ 300	44.6	78.2	85.3	90.3	93.8	94.7	96.0	96.8	97.1	97.4	97.7	97.7	97.8	97.9	98.2	98.4
≥ 200	44.6	78.2	85.3	90.3	93.8	94.8	96.2	97.2	97.4	97.8	98.2	98.3	98.5	98.6	99.0	99.3
≥ 100	44.6	78.2	85.3	90.3	93.8	94.8	96.2	97.2	97.5	97.8	98.3	98.3	98.6	98.8	99.3	99.9
≥ 0	44.6	78.2	85.3	90.3	93.8	94.8	96.2	97.2	97.5	97.8	98.3	98.3	98.6	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC

FORM 1 JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	55.9	71.2	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.6	74.6	74.6	74.6	74.7
IV 20000	56.7	73.3	75.5	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.8	76.8	76.8	76.8	76.9
IV 18000	56.8	73.4	75.6	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.9	76.9	76.9	76.9	77.0
IV 16000	56.8	73.4	75.6	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.9	76.9	76.9	76.9	77.0
IV 14000	56.8	73.4	75.6	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.9	76.9	76.9	76.9	77.0
IV 12000	58.1	74.9	77.1	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.5	78.5	78.5	78.5	78.6
IV 10000	59.5	77.3	79.6	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.8	81.0	81.0	81.0	81.0	81.1
IV 9000	59.7	77.6	79.9	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.3	81.3	81.3	81.3	81.4
IV 8000	61.6	80.1	82.7	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.4	84.4	84.4	84.4	84.5
IV 7000	62.0	80.6	83.3	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.9	85.2	85.2	85.2	85.2	85.3
IV 6000	63.4	82.0	84.7	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.6	86.6	86.6	86.6	86.7
IV 5000	64.6	84.0	86.7	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.5	88.5	88.5	88.5	88.6
IV 4500	64.7	84.2	87.0	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.8	88.8	88.8	88.8	88.9
IV 4000	66.0	85.5	88.3	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.9	90.1	90.1	90.1	90.1	90.2
IV 3500	66.5	86.0	89.0	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.9	90.9	90.9	90.9	91.0
IV 3000	67.0	87.3	90.6	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.6	92.6	92.6	92.6	92.7
IV 2500	67.6	88.3	91.6	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.5	93.5	93.5	93.5	93.7
IV 2000	68.3	89.0	92.4	93.4	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.2	94.4	94.4	94.4	94.5
IV 1800	68.4	89.1	92.7	93.8	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.6	94.8	94.8	94.8	94.9
IV 1500	68.6	89.8	93.5	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.7	95.9	95.9	95.9	96.0
IV 1200	68.8	90.1	94.2	95.5	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.5	96.6	96.8	96.8	96.9
IV 1000	69.1	90.4	94.5	95.8	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.8	96.9	97.1	97.1	97.2
IV 900	69.1	90.5	94.6	95.9	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.9	96.9	97.0	97.2	97.3
IV 800	69.1	90.8	94.8	96.3	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.3	97.3	97.4	97.6	97.7
IV 700	69.1	90.8	95.1	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.7	97.7	97.8	98.1	98.2
IV 600	69.2	90.9	95.2	96.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	98.0	98.0	98.1	98.3	98.4
IV 500	69.5	91.1	95.5	97.0	98.5	98.5	98.5	98.5	98.5	98.5	98.8	98.8	98.9	99.1	99.1	99.2
IV 400	69.5	91.1	95.6	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.9	98.9	99.0	99.2	99.2	99.4
IV 300	69.5	91.1	95.6	97.2	98.7	98.7	98.7	98.7	98.7	98.7	98.9	99.0	99.0	99.1	99.4	99.5
IV 200	69.5	91.1	95.6	97.2	98.7	98.7	98.7	98.7	98.7	98.7	98.9	99.0	99.0	99.1	99.5	99.7
IV 100	69.5	91.1	95.6	97.2	98.7	98.7	98.7	98.7	98.7	98.7	98.9	99.0	99.0	99.1	99.5	99.7
IV 0	69.5	91.1	95.6	97.2	98.7	98.7	98.7	98.7	98.7	98.7	98.9	99.0	99.0	99.1	99.5	99.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS-UT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	48.2	63.0	67.5	69.1	69.9	70.1	70.4	70.5	70.5	70.6	71.0	71.0	71.1	71.2	71.7	72.2
≥ 20000	49.5	64.7	69.5	71.1	71.8	72.0	72.4	72.5	72.5	72.6	72.9	72.9	73.0	73.1	73.7	74.1
≥ 18000	49.5	64.7	69.5	71.1	71.8	72.0	72.4	72.5	72.5	72.6	72.9	72.9	73.0	73.1	73.7	74.1
≥ 16000	49.5	64.7	69.5	71.1	71.8	72.0	72.4	72.5	72.5	72.6	72.9	72.9	73.0	73.1	73.7	74.1
≥ 14000	49.5	64.7	69.5	71.1	71.8	72.0	72.4	72.5	72.5	72.6	72.9	72.9	73.0	73.1	73.7	74.1
≥ 12000	50.4	65.8	70.5	72.2	72.9	73.1	73.4	73.5	73.5	73.7	74.0	74.0	74.1	74.2	74.7	75.2
≥ 10000	51.3	67.1	71.9	73.9	74.6	74.8	75.2	75.3	75.3	75.4	75.7	75.7	75.8	75.9	76.5	76.9
≥ 9000	51.3	67.1	71.9	74.1	74.8	75.1	75.4	75.5	75.5	75.6	75.9	75.9	76.0	76.1	76.7	77.1
≥ 8000	52.3	68.6	73.7	76.1	77.1	77.3	77.6	77.7	77.7	77.8	78.2	78.2	78.3	78.5	79.0	79.6
≥ 7000	52.8	69.4	74.8	77.4	78.4	78.6	78.9	79.0	79.0	79.1	79.5	79.5	79.6	79.8	80.3	80.9
≥ 6000	53.4	70.0	75.5	78.1	79.0	79.2	79.6	79.7	79.7	79.8	80.1	80.1	80.2	80.4	81.0	81.5
≥ 5000	54.6	71.5	77.3	80.1	81.1	81.3	81.6	81.7	81.7	81.8	82.2	82.2	82.3	82.5	83.0	83.5
≥ 4500	55.1	71.9	78.0	80.9	81.8	82.0	82.4	82.5	82.5	82.6	82.9	82.9	83.0	83.2	83.8	84.3
≥ 4000	55.8	72.9	79.0	82.2	83.1	83.3	83.7	83.8	83.8	83.9	84.2	84.2	84.3	84.5	85.1	85.6
≥ 3500	56.3	73.5	80.1	83.2	84.2	84.4	84.7	84.8	84.8	84.9	85.3	85.3	85.4	85.6	86.1	86.7
≥ 3000	57.0	74.7	81.4	84.5	85.5	85.7	86.0	86.1	86.1	86.2	86.6	86.6	86.7	86.9	87.4	88.0
≥ 2500	57.2	75.1	81.7	84.8	85.9	86.1	86.5	86.6	86.6	86.7	87.0	87.0	87.1	87.3	87.8	88.4
≥ 2000	58.1	76.6	83.5	86.7	87.8	88.1	88.4	88.5	88.5	88.6	88.9	88.9	89.0	89.2	89.8	90.3
≥ 1800	58.5	77.6	84.7	87.8	89.0	89.2	89.6	89.7	89.7	89.8	90.1	90.1	90.2	90.4	91.0	91.5
≥ 1500	58.8	78.3	85.4	88.5	89.7	89.9	90.2	90.3	90.3	90.4	90.8	90.8	90.9	91.1	91.6	92.2
≥ 1200	59.0	78.7	86.0	89.2	90.4	90.8	91.1	91.2	91.2	91.3	91.6	91.6	91.7	91.9	92.5	93.0
≥ 1000	59.1	79.0	86.9	90.2	91.5	91.8	92.2	92.3	92.3	92.4	92.7	92.7	92.8	93.0	93.5	94.1
≥ 900	59.1	79.1	87.0	90.3	91.9	92.3	92.6	92.7	92.7	92.8	93.1	93.1	93.2	93.4	94.0	94.5
≥ 800	59.5	79.5	87.4	90.8	92.6	92.9	93.2	93.3	93.3	93.4	93.9	93.9	94.0	94.2	94.7	95.3
≥ 700	59.7	79.7	88.0	91.4	93.5	93.9	94.2	94.3	94.3	94.4	94.8	94.8	94.9	95.2	95.7	96.2
≥ 600	59.7	79.7	88.0	91.5	93.9	94.2	94.5	94.6	94.6	94.7	95.2	95.2	95.3	95.5	96.0	96.6
≥ 500	59.8	79.8	88.1	91.6	94.1	94.4	94.7	94.8	94.8	95.1	95.5	95.5	95.6	95.8	96.3	96.9
≥ 400	59.8	79.8	88.2	91.7	94.3	94.6	94.9	95.2	95.2	95.4	95.8	95.8	95.9	96.1	96.7	97.2
≥ 300	59.8	79.8	88.2	91.7	94.7	95.1	95.5	95.8	95.8	96.0	96.6	96.6	96.7	96.9	97.4	98.1
≥ 200	59.8	79.8	88.2	91.8	94.8	95.2	95.6	95.9	95.9	96.1	96.7	96.7	97.0	97.2	98.3	98.9
≥ 100	59.8	79.8	88.2	91.8	94.8	95.2	95.6	95.9	95.9	96.1	96.8	96.8	97.2	97.4	98.7	99.9
≥ 0	59.8	79.8	88.2	91.8	94.8	95.2	95.6	95.9	95.9	96.1	96.8	96.8	97.2	97.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS HST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	28.6	47.1	51.6	55.9	58.7	59.0	60.6	61.5	61.7	62.1	62.2	62.3	62.6	62.6	63.0	63.3
≥ 20000	29.8	48.5	53.3	58.0	61.1	61.6	63.6	64.5	64.7	65.1	65.2	65.3	65.7	65.7	66.1	66.5
≥ 15000	29.8	48.5	53.3	58.0	61.1	61.6	63.6	64.5	64.7	65.1	65.2	65.3	65.7	65.7	66.1	66.5
IV 16000	29.8	48.7	53.4	58.1	61.2	61.7	63.7	64.6	64.8	65.2	65.3	65.4	65.8	65.8	66.2	66.6
IV 14000	30.0	49.1	53.8	58.5	61.7	62.1	64.2	65.0	65.2	65.7	65.8	65.9	66.2	66.2	66.6	67.1
IV 12000	30.6	50.1	55.0	59.7	63.0	63.4	65.8	66.8	67.1	67.6	67.7	67.8	68.1	68.1	68.6	69.0
IV 10000	31.6	51.8	57.2	62.1	65.7	66.1	68.8	69.9	70.1	70.6	70.7	70.8	71.2	71.2	71.6	72.0
IV 9000	31.6	51.9	57.3	62.2	65.8	66.2	68.9	70.0	70.2	70.7	70.8	70.9	71.3	71.3	71.7	72.1
IV 8000	32.1	52.7	58.6	63.8	67.7	68.4	71.3	72.4	72.7	73.2	73.3	73.4	73.8	73.8	74.4	74.8
IV 7000	32.8	53.9	60.0	65.2	69.5	70.2	73.1	74.3	74.5	75.0	75.1	75.2	75.7	75.7	76.2	76.6
IV 6000	33.3	54.5	60.7	66.1	70.4	71.0	74.0	75.1	75.3	75.9	76.0	76.1	76.5	76.5	77.1	77.5
IV 5000	34.0	55.5	62.0	67.5	71.8	72.4	75.3	76.5	76.7	77.3	77.5	77.6	78.0	78.0	78.6	79.0
IV 4500	34.7	56.5	63.1	68.6	73.0	73.7	76.6	77.8	78.0	78.6	78.8	78.9	79.3	79.3	79.9	80.3
IV 4000	35.1	57.4	63.9	69.4	73.8	74.7	77.6	78.8	79.0	79.5	79.8	79.9	80.3	80.3	80.8	81.3
IV 3500	35.2	57.8	64.4	70.2	74.6	75.5	78.4	79.5	79.8	80.3	80.5	80.6	81.1	81.1	81.6	82.0
IV 3000	35.3	58.1	64.8	70.8	75.7	76.5	79.5	80.7	80.9	81.5	81.7	81.8	82.2	82.2	82.8	83.2
IV 2500	35.7	59.1	65.9	72.0	76.9	77.8	81.2	82.5	82.7	83.2	83.4	83.5	84.0	84.0	84.5	84.9
IV 2000	35.8	59.6	66.6	72.9	77.9	78.9	82.2	83.5	83.7	84.3	84.5	84.6	85.0	85.0	85.6	86.0
IV 1800	36.1	60.2	67.6	73.8	79.0	80.0	83.3	84.6	84.8	85.4	85.6	85.7	86.1	86.1	86.7	87.1
IV 1500	36.2	60.9	68.5	74.8	80.1	81.1	84.4	85.7	85.9	86.4	86.7	86.8	87.2	87.2	87.7	88.2
IV 1200	36.4	61.9	69.4	75.9	81.5	82.5	85.8	87.1	87.4	87.9	88.2	88.3	88.7	88.7	89.2	89.7
IV 1000	36.7	62.4	70.1	76.6	82.5	83.4	86.8	88.1	88.4	88.9	89.1	89.2	89.7	89.7	90.2	90.6
IV 900	36.8	62.9	70.5	77.2	83.2	84.2	87.6	88.9	89.2	89.8	90.0	90.1	90.5	90.5	91.1	91.5
IV 800	36.9	63.2	70.8	77.6	83.7	84.7	88.2	89.5	89.8	90.3	90.5	90.6	91.1	91.1	91.6	92.1
IV 700	37.0	63.5	71.2	78.0	84.8	85.9	89.3	90.7	91.1	91.6	91.8	91.9	92.5	92.5	93.0	93.5
IV 600	37.1	63.8	71.7	78.7	85.7	86.9	90.4	91.9	92.2	92.8	93.0	93.1	93.6	93.6	94.2	94.7
IV 500	37.1	63.8	71.8	79.1	86.2	87.4	91.0	92.6	92.9	93.4	93.6	93.8	94.3	94.3	94.8	95.4
IV 400	37.1	63.8	71.8	79.2	86.5	87.7	91.3	92.9	93.2	93.8	94.1	94.2	94.7	94.7	95.3	95.8
IV 300	37.1	63.8	71.8	79.3	86.8	87.9	91.5	93.2	93.8	94.3	94.6	94.7	95.4	95.4	95.9	96.8
IV 200	37.1	63.8	71.8	79.3	86.8	87.9	91.5	93.2	93.8	94.3	94.6	94.7	95.6	95.7	96.3	97.6
IV 100	37.1	63.8	71.8	79.3	86.8	87.9	91.5	93.2	93.8	94.3	94.7	94.8	95.9	96.0	97.1	99.4
IV 0	37.1	63.8	71.8	79.3	86.8	87.9	91.5	93.2	93.8	94.3	94.7	94.8	95.9	96.0	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTR
STATION NAME

66-70, 74-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS UT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING ≥ 20000	36.0 37.0	57.9 60.6	60.9 64.0	62.3 65.8	62.9 66.4	63.0 66.5	63.1 66.7	63.1 66.7	63.1 66.7	63.1 66.7	63.1 66.8	63.1 66.8	63.1 66.8	63.1 66.8	63.1 66.8	63.1 66.8
IV 18000 IV 16000	37.0 37.1	60.6 60.8	64.0 64.3	65.8 66.0	66.4 66.6	66.5 66.7	66.7 67.0	66.7 67.0	66.7 67.0	66.7 67.0	66.8 67.1	66.8 67.1	66.8 67.1	66.8 67.1	66.8 67.1	66.8 67.1
IV 14000 IV 12000	37.2 37.8	60.9 62.1	64.4 65.6	66.1 67.4	66.7 68.0	66.8 68.1	67.1 68.4	67.1 68.4	67.1 68.4	67.1 68.4	67.2 68.5	67.2 68.5	67.2 68.5	67.2 68.5	67.2 68.5	67.2 68.5
IV 10000 IV 9000	40.3 40.7	66.0 66.5	69.5 70.2	71.7 72.6	72.6 73.6	72.7 73.7	72.9 74.0	72.9 74.0	72.9 74.0	72.9 74.0	73.0 74.1	73.0 74.1	73.0 74.1	73.0 74.1	73.0 74.1	73.0 74.1
IV 8000 IV 7000	41.4 42.2	67.9 68.9	71.8 73.0	74.5 75.7	75.6 76.7	75.7 76.9	75.9 77.1	75.9 77.1	75.9 77.1	75.9 77.1	76.0 77.2	76.0 77.2	76.0 77.2	76.0 77.2	76.0 77.2	76.0 77.2
IV 6000 IV 5000	42.4 42.7	69.8 70.4	73.8 74.5	76.5 77.3	77.7 78.5	77.8 78.6	78.0 78.8	78.0 78.8	78.0 78.8	78.0 78.8	78.1 78.9	78.1 78.9	78.1 78.9	78.1 78.9	78.1 78.9	78.1 78.9
IV 4500 IV 4000	42.9 43.4	71.2 71.8	75.3 76.0	78.3 79.1	79.4 80.3	79.5 80.4	79.8 80.6	79.8 80.6	79.8 80.6	79.8 80.6	79.9 80.7	79.9 80.7	79.9 80.7	79.9 80.7	79.9 80.7	79.9 80.7
IV 3500 IV 3000	43.5 43.6	72.4 73.1	76.7 77.5	80.0 80.8	81.4 82.5	81.5 82.7	81.7 82.9	81.7 82.9	81.7 82.9	81.7 82.9	81.8 83.0	81.8 83.0	81.8 83.0	81.8 83.0	81.8 83.0	81.8 83.0
IV 2500 IV 2000	44.1 44.7	74.6 76.2	79.1 81.1	82.5 84.4	84.1 86.0	84.3 86.2	84.5 86.4	84.5 86.4	84.5 86.4	84.5 86.4	84.6 86.5	84.6 86.5	84.6 86.5	84.6 86.5	84.6 86.5	84.6 86.5
IV 1800 IV 1500	44.9 45.6	76.5 77.9	81.4 83.0	84.7 86.4	86.3 88.1	86.5 88.3	86.8 88.5	86.8 88.5	86.8 88.5	86.8 88.5	86.9 88.6	86.9 88.6	86.9 88.6	86.9 88.6	86.9 88.6	86.9 88.6
IV 1200 IV 1000	46.0 46.2	78.8 79.8	84.2 85.4	88.4 89.8	90.3 92.1	90.5 92.5	90.7 92.7	90.7 92.7	90.7 92.8	90.7 92.8	90.9 92.9	90.9 92.9	90.9 92.9	90.9 92.9	90.9 92.9	90.9 92.9
IV 900 IV 800	46.2 46.3	80.3 80.6	86.0 86.4	90.7 91.4	93.2 94.1	93.6 94.7	93.9 95.0	93.9 95.0	94.0 95.2	94.0 95.2	94.1 95.3	94.1 95.3	94.1 95.3	94.1 95.3	94.1 95.3	94.1 95.3
IV 700 IV 600	46.4 46.4	81.2 81.5	87.1 87.6	92.0 92.9	94.0 95.8	95.6 96.6	95.9 97.0	96.0 97.2	96.1 97.3	96.1 97.3	96.2 97.4	96.2 97.4	96.2 97.4	96.2 97.4	96.2 97.4	96.2 97.4
IV 500 IV 400	46.4 46.4	81.5 81.5	87.6 87.6	92.9 92.9	96.0 96.2	96.9 97.1	97.6 97.8	98.1 98.5	98.2 98.6	98.2 98.7	98.3 98.9	98.3 98.9	98.3 98.9	98.3 98.9	98.3 98.9	98.3 98.9
IV 300 IV 200	46.4 46.4	81.5 81.5	87.6 87.6	92.9 92.9	96.2 96.2	97.1 97.1	97.8 97.8	98.6 98.6	98.7 98.7	98.8 98.9	99.0 99.2	99.0 99.2	99.0 99.2	99.2 99.4	99.2 99.6	99.4 99.7
IV 100 IV 0	46.4 46.4	81.5 81.5	87.6 87.6	92.9 92.9	96.2 96.2	97.1 97.1	97.8 97.8	98.6 98.6	98.7 98.7	98.9 98.9	99.2 99.2	99.2 99.2	99.4 99.4	99.6 99.6	99.7 99.7	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70,74-78

UGT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	47.0	64.9	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 20000	49.0	69.5	70.0	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 18000	49.0	69.5	70.0	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 16000	49.2	69.7	70.2	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 14000	49.5	70.1	70.6	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 12000	50.6	72.2	72.7	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 10000	53.3	76.3	77.1	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 9000	53.7	76.8	77.5	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 8000	54.8	79.0	79.9	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 7000	56.8	81.2	82.0	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 6000	57.3	81.8	82.7	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 5000	58.3	83.0	83.9	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	58.3	83.1	84.0	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4000	59.8	85.1	85.9	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0
≥ 3500	60.4	86.2	87.1	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4
≥ 3000	60.8	87.7	88.6	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0
≥ 2500	62.3	90.3	91.3	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7
≥ 2000	62.6	91.1	92.8	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	62.7	91.7	93.7	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500	62.9	92.6	94.5	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200	63.1	93.0	95.1	96.3	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	63.1	93.2	95.3	96.7	97.7	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	63.1	93.4	95.5	97.0	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	63.1	93.4	95.5	97.1	98.4	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	63.1	93.5	95.8	97.4	98.8	98.9	98.9	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	63.1	93.5	95.9	97.6	99.0	99.1	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	63.1	93.7	96.0	97.7	99.4	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	63.1	93.7	96.0	97.7	99.4	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	63.1	93.7	96.0	97.7	99.4	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	63.1	93.7	96.0	97.7	99.4	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	63.1	93.7	96.0	97.7	99.4	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	63.1	93.7	96.0	97.7	99.4	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING ≥ 20000	47.8	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000	51.2	70.9	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 16000	51.3	71.1	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 14000	51.8	71.7	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 12000	53.4	74.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 10000	55.3	77.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 9000	55.3	77.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 8000	57.6	80.9	82.0	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 7000	58.7	82.2	83.3	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 6000	59.6	83.7	84.8	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 5000	61.1	85.4	86.6	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4500	61.7	86.3	87.5	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 4000	63.1	88.2	89.4	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 3500	63.9	89.9	91.1	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000	64.2	91.2	92.4	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2500	65.2	92.3	93.9	94.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2000	65.2	93.2	94.9	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	65.4	93.5	95.4	95.8	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1500	65.8	94.5	96.3	96.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200	65.9	94.7	96.7	97.2	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000	66.0	94.8	97.0	97.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	66.0	94.9	97.1	98.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	66.0	94.9	97.2	98.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	66.0	94.9	97.3	98.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	66.0	94.9	97.3	98.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	66.0	94.9	97.3	98.2	99.4	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 450	66.0	94.9	97.3	98.2	99.4	99.4	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	66.0	94.9	97.3	98.2	99.4	99.4	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	66.0	94.9	97.3	98.2	99.4	99.4	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	66.0	94.9	97.3	98.2	99.4	99.4	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	66.0	94.9	97.3	98.2	99.4	99.4	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	66.0	94.9	97.3	98.2	99.4	99.4	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

26-70, 74-78

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	54.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 20000	56.9	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 18000	56.9	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 16000	56.9	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 14000	57.1	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 12000	58.6	77.1	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 10000	61.1	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 9000	61.2	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 8000	63.3	83.9	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 7000	64.2	85.1	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 6000	65.7	87.1	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 5000	67.2	89.2	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 4500	67.2	89.4	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 4000	68.5	91.2	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 3500	69.1	92.3	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 3000	69.5	92.8	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 2500	70.3	93.7	94.6	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2000	70.4	94.1	95.3	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800	70.4	94.1	95.3	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1500	70.9	94.6	95.9	96.3	96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	71.1	94.9	96.5	96.9	97.1	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	71.4	95.4	97.2	97.8	98.1	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	71.4	95.4	97.2	97.8	98.1	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	71.5	95.5	97.4	98.1	98.3	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	71.5	95.7	97.6	98.4	98.6	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	71.6	95.8	97.7	98.5	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	71.6	95.8	97.7	98.6	99.1	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	71.6	95.8	97.7	98.6	99.1	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	71.6	95.8	97.7	98.6	99.1	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	71.6	95.8	97.7	98.6	99.1	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	71.6	95.8	97.7	98.6	99.1	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	71.6	95.8	97.7	98.6	99.1	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

ICT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ 0
NO CEILING ≥ 20000	59.0	73.6	74.8	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2
≥ 18000	60.3	76.4	77.6	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0
≥ 16000	60.3	76.4	77.6	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0
≥ 14000	60.5	76.6	77.8	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.3	78.3	78.3
≥ 12000	61.7	78.1	79.3	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8
≥ 10000	63.7	80.8	82.1	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6
≥ 9000	63.9	81.1	82.3	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8
≥ 8000	66.6	84.7	85.2	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8
≥ 7000	67.5	85.6	87.1	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.6
≥ 6000	68.8	87.1	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1
≥ 5500	69.3	87.6	89.1	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7
≥ 4500	69.5	87.9	89.5	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0
≥ 4000	70.9	89.8	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9
≥ 3500	71.2	90.0	91.6	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1
≥ 3000	71.3	90.2	91.9	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5
≥ 2500	72.3	91.8	93.6	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4
≥ 2000	72.6	92.4	94.3	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0
≥ 1800	72.6	92.6	94.5	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3
≥ 1500	73.1	93.3	95.6	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.6	96.6	96.6
≥ 1200	73.1	93.4	95.7	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8
≥ 1000	73.4	93.8	96.0	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3
≥ 900	73.6	94.0	96.2	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5
≥ 800	74.2	94.7	97.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4
≥ 700	74.3	94.8	97.1	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥ 600	74.4	95.0	97.3	98.5	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 500	74.4	95.0	97.3	98.6	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 400	74.6	95.3	97.5	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	74.6	95.3	97.5	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	74.6	95.3	97.5	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	74.6	95.3	97.5	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	74.6	95.3	97.5	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70,74-78

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	47.1	64.1	66.1	67.2	67.8	67.9	68.1	68.2	68.3	68.3	68.4	68.4	68.5	68.5	68.6	68.7
≥ 20000	48.8	67.3	69.7	70.7	71.3	71.4	71.8	71.9	71.9	72.0	72.1	72.1	72.2	72.2	72.3	72.4
≥ 18000	48.8	67.4	69.6	70.8	71.4	71.5	71.8	71.9	72.0	72.0	72.1	72.1	72.2	72.2	72.3	72.5
≥ 16000	48.9	67.4	69.7	70.8	71.5	71.6	71.9	72.0	72.0	72.1	72.2	72.2	72.3	72.3	72.4	72.5
≥ 14000	49.1	67.7	69.9	71.1	71.7	71.8	72.1	72.3	72.3	72.4	72.5	72.5	72.5	72.6	72.7	72.8
≥ 12000	50.2	69.4	71.7	72.8	73.5	73.6	73.9	74.1	74.1	74.2	74.3	74.3	74.4	74.4	74.5	74.6
≥ 10000	52.0	72.3	74.7	76.0	76.7	76.8	77.2	77.4	77.4	77.5	77.6	77.6	77.7	77.7	77.8	77.9
≥ 9000	52.2	72.5	74.9	76.3	77.0	77.1	77.5	77.7	77.7	77.8	77.9	77.9	78.0	78.0	78.1	78.2
≥ 8000	53.7	74.7	77.4	79.0	79.8	80.0	80.4	80.6	80.6	80.7	80.8	80.8	80.9	80.9	81.0	81.2
≥ 7000	54.6	75.9	78.7	80.2	81.2	81.3	81.7	81.9	81.9	82.0	82.1	82.1	82.2	82.2	82.4	82.5
≥ 6000	55.5	77.0	79.8	81.4	82.4	82.5	83.0	83.1	83.1	83.2	83.3	83.3	83.4	83.4	83.6	83.7
≥ 5000	56.5	78.3	81.2	82.9	83.9	84.0	84.4	84.6	84.6	84.7	84.8	84.8	84.9	84.9	85.1	85.2
≥ 4500	56.8	78.8	81.0	83.5	84.5	84.6	85.0	85.2	85.2	85.3	85.4	85.4	85.5	85.5	85.7	85.8
≥ 4000	57.8	80.2	83.2	85.0	86.0	86.1	86.6	86.7	86.7	86.8	87.0	87.0	87.1	87.1	87.2	87.3
≥ 3500	58.3	81.0	84.2	86.0	87.0	87.2	87.6	87.8	87.8	87.9	88.0	88.0	88.1	88.1	88.2	88.4
≥ 3000	58.6	81.9	85.1	87.0	88.1	88.3	88.7	88.9	88.9	89.0	89.1	89.2	89.2	89.3	89.4	89.5
≥ 2500	59.4	83.1	86.5	88.4	89.6	89.8	90.2	90.4	90.5	90.5	90.7	90.7	90.8	90.8	90.9	91.1
≥ 2000	59.7	84.0	87.6	89.6	90.8	91.0	91.5	91.7	91.7	91.8	91.9	91.9	92.0	92.1	92.2	92.3
≥ 1800	59.9	84.4	88.2	90.2	91.4	91.6	92.1	92.3	92.3	92.4	92.5	92.5	92.6	92.6	92.8	92.9
≥ 1500	60.2	85.2	89.1	91.2	92.5	92.7	93.2	93.4	93.4	93.5	93.6	93.7	93.7	93.8	93.9	94.0
≥ 1200	60.4	85.7	89.7	92.0	93.4	93.6	94.2	94.4	94.4	94.5	94.6	94.7	94.7	94.8	94.9	95.0
≥ 1000	60.6	86.1	90.3	92.7	94.3	94.5	95.1	95.3	95.3	95.4	95.6	95.6	95.7	95.7	95.8	96.0
≥ 900	60.7	86.3	90.5	93.0	94.7	95.0	95.5	95.7	95.8	95.9	96.0	96.0	96.1	96.1	96.2	96.4
≥ 800	60.8	86.6	90.8	93.4	95.2	95.5	96.0	96.3	96.3	96.4	96.6	96.6	96.7	96.7	96.8	97.0
≥ 700	60.9	86.8	91.1	93.8	95.8	96.1	96.7	97.0	97.0	97.1	97.2	97.3	97.4	97.4	97.5	97.7
≥ 600	61.0	86.9	91.3	94.1	96.2	96.5	97.1	97.5	97.5	97.6	97.7	97.8	97.8	97.9	98.0	98.2
≥ 500	61.0	87.0	91.4	94.2	96.3	96.9	97.5	97.9	98.0	98.1	98.2	98.2	98.3	98.3	98.5	98.6
≥ 400	61.0	87.0	91.5	94.3	96.6	97.0	97.7	98.1	98.2	98.3	98.5	98.5	98.6	98.6	98.8	98.9
≥ 300	61.0	87.0	91.5	94.3	96.7	97.1	97.8	98.3	98.4	98.5	98.7	98.7	98.8	98.9	99.0	99.2
≥ 200	61.0	87.0	91.5	94.3	96.7	97.1	97.8	98.3	98.4	98.5	98.7	98.7	98.9	99.0	99.2	99.5
≥ 100	61.0	87.0	91.5	94.3	96.7	97.1	97.8	98.3	98.4	98.5	98.8	98.8	99.0	99.1	99.4	99.9
≥ 0	61.0	87.0	91.5	94.3	96.7	97.1	97.8	98.3	98.4	98.5	98.8	98.8	99.0	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7437

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS U.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	>10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	56.0	66.8	68.4	68.6	69.0	69.0	69.1	69.1	69.2	69.6	69.6	69.6	69.7	69.7	69.8	69.8
≥ 20000	57.0	68.7	70.3	70.4	70.9	70.9	71.0	71.0	71.1	71.4	71.4	71.4	71.6	71.6	71.7	71.7
≥ 18000	57.0	68.7	70.3	70.4	70.9	70.9	71.0	71.0	71.1	71.4	71.4	71.4	71.6	71.6	71.7	71.7
≥ 16000	57.0	68.7	70.3	70.4	70.9	70.9	71.0	71.0	71.1	71.4	71.4	71.4	71.6	71.6	71.7	71.7
≥ 14000	57.0	68.7	70.3	70.4	70.9	70.9	71.0	71.0	71.1	71.4	71.4	71.4	71.6	71.6	71.7	71.7
≥ 12000	57.6	69.3	71.0	71.1	71.6	71.6	71.7	71.8	71.9	72.2	72.2	72.2	72.3	72.3	72.4	72.4
≥ 10000	60.6	72.7	74.3	74.4	74.9	74.9	75.0	75.1	75.2	75.6	75.6	75.6	75.7	75.7	75.8	75.8
≥ 9000	60.6	72.9	74.6	74.7	75.1	75.1	75.2	75.3	75.4	75.8	75.8	75.8	75.9	75.9	76.0	76.0
≥ 8000	62.2	75.6	77.3	77.4	78.1	78.1	78.2	78.3	78.4	78.8	78.8	78.8	78.9	78.9	79.0	79.0
≥ 7000	63.7	77.2	79.1	79.2	79.9	79.9	80.0	80.1	80.2	80.6	80.6	80.6	80.7	80.7	80.8	80.8
≥ 6000	65.0	78.9	80.8	80.9	81.6	81.6	81.7	81.8	81.9	82.2	82.2	82.2	82.3	82.3	82.4	82.4
≥ 5000	65.9	80.0	82.0	82.1	82.8	82.8	82.9	83.0	83.1	83.4	83.4	83.4	83.6	83.6	83.7	83.7
≥ 4500	66.0	80.1	82.1	82.2	82.9	82.9	83.0	83.1	83.2	83.6	83.6	83.6	83.7	83.7	83.8	83.8
≥ 4000	67.0	81.9	84.1	84.2	84.9	84.9	85.0	85.1	85.2	85.6	85.6	85.6	85.7	85.7	85.8	85.8
≥ 3500	67.6	83.1	85.4	85.6	86.2	86.2	86.3	86.4	86.6	86.9	86.9	86.9	87.0	87.0	87.1	87.1
≥ 3000	67.8	83.4	85.8	85.9	86.6	86.6	86.7	86.8	86.9	87.2	87.2	87.2	87.3	87.3	87.4	87.4
≥ 2500	68.0	83.7	86.1	86.2	86.9	86.9	87.0	87.1	87.2	87.6	87.6	87.6	87.7	87.7	87.8	87.8
≥ 2000	68.4	84.1	86.6	86.7	87.3	87.3	87.4	87.6	87.7	88.0	88.0	88.0	88.1	88.1	88.2	88.2
≥ 1800	68.4	84.1	86.6	86.7	87.3	87.4	87.6	87.7	87.8	88.1	88.1	88.1	88.2	88.2	88.3	88.3
≥ 1500	68.6	84.2	86.8	86.9	87.6	87.7	87.8	87.9	88.0	88.3	88.3	88.3	88.4	88.4	88.6	88.6
≥ 1200	68.7	85.0	87.8	88.0	88.7	88.8	88.9	89.0	89.1	89.4	89.4	89.4	89.6	89.6	89.7	89.7
≥ 1000	68.7	85.0	87.9	88.2	88.9	89.0	89.1	89.2	89.3	89.7	89.7	89.7	89.8	89.8	89.9	89.9
≥ 900	68.9	85.3	88.3	88.9	89.8	89.9	90.0	90.1	90.2	90.6	90.6	90.6	90.7	90.7	90.8	90.8
≥ 800	69.0	85.7	89.1	89.7	90.8	90.9	91.0	91.1	91.2	91.6	91.6	91.6	91.7	91.7	91.8	91.8
≥ 700	69.0	85.7	89.1	89.7	91.6	91.7	91.9	92.0	92.1	92.4	92.4	92.4	92.6	92.6	92.7	92.7
≥ 600	69.0	85.9	89.3	90.1	92.2	92.4	92.8	92.9	93.0	93.4	93.4	93.4	93.6	93.6	93.7	93.7
≥ 500	69.0	86.2	89.8	90.6	93.2	93.6	94.2	94.7	94.8	95.2	95.2	95.2	95.3	95.3	95.4	95.4
≥ 400	69.0	86.2	89.8	90.6	93.3	93.7	94.6	95.0	95.1	95.7	95.7	95.7	95.8	95.8	95.9	95.9
≥ 300	69.0	86.3	89.9	90.7	94.0	94.6	95.7	96.4	96.7	97.6	97.6	97.6	97.7	97.7	97.8	97.8
≥ 200	69.0	86.3	89.9	90.7	94.2	94.8	96.0	96.9	97.3	98.3	98.3	98.3	98.4	98.7	98.8	99.2
≥ 100	69.0	86.3	89.9	90.7	94.2	94.8	96.0	96.9	97.3	98.3	98.3	98.3	98.7	98.9	99.1	99.6
≥ 0	69.0	86.3	89.9	90.7	94.2	94.8	96.0	96.9	97.3	98.3	98.3	98.3	98.7	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	53.3	64.4	65.8	66.2	66.4	66.4	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.2	67.6
≥ 20000	53.9	66.0	67.3	67.8	68.0	68.0	68.3	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.8	69.1
18000	53.9	66.0	67.3	67.8	68.0	68.0	68.3	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.8	69.1
16000	53.9	66.0	67.3	67.8	68.0	68.0	68.3	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.8	69.1
14000	53.9	66.0	67.3	67.8	68.0	68.0	68.3	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.8	69.1
12000	54.3	66.4	67.8	68.2	68.4	68.4	68.8	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.2	69.6
10000	56.6	69.9	71.3	71.9	72.1	72.1	72.4	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.9	73.2
9000	57.1	70.4	71.9	72.4	72.7	72.7	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.4	73.8
8000	58.0	71.4	72.9	73.4	73.7	73.7	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.4	74.8
7000	59.8	73.8	75.2	75.9	76.2	76.2	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	77.1	77.4
6000	60.3	75.0	76.7	77.4	77.8	77.9	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.7	79.0
5000	61.7	77.0	78.8	79.6	79.9	80.0	80.3	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.8	81.1
4500	62.0	77.7	79.4	80.2	80.6	80.7	81.0	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.4	81.8
4000	62.7	78.4	80.2	81.0	81.3	81.4	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.2	82.6
3500	63.7	79.9	81.7	82.4	82.8	82.9	83.2	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.7	84.0
3000	64.2	80.6	82.4	83.2	83.6	83.7	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.4	84.8
2500	64.2	80.7	82.6	83.3	83.7	83.8	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.6	84.9
2000	64.3	81.0	83.2	84.0	84.3	84.4	84.8	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.2	85.6
1800	64.7	81.3	83.6	84.3	84.7	84.8	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.6	85.9
1500	64.7	81.4	83.7	84.4	85.0	85.1	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.9	86.2
1200	64.9	82.2	84.7	85.7	86.2	86.3	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	87.1	87.4
1000	65.1	82.4	85.0	86.0	86.7	86.8	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.6	87.9
900	65.2	82.8	85.4	86.8	87.6	87.7	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.4	88.8
800	65.3	83.1	86.0	87.4	88.2	88.3	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	89.1	89.4
700	65.3	83.2	86.3	87.9	88.8	88.9	89.3	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.8	90.1
600	65.3	83.3	86.6	88.6	89.9	90.1	90.6	90.7	90.7	90.9	90.9	90.9	90.9	90.9	91.1	91.4
500	65.3	83.3	86.9	88.9	90.8	91.3	92.2	92.3	92.4	92.7	92.7	92.7	92.7	92.7	92.9	93.2
400	65.3	83.3	86.9	88.9	91.0	91.6	92.8	92.9	93.0	93.3	93.3	93.4	93.4	93.4	93.7	94.0
300	65.4	83.4	87.1	89.3	92.0	92.9	94.3	94.9	95.0	95.3	95.3	95.4	95.6	95.6	95.8	96.1
200	65.4	83.4	87.1	89.4	92.6	93.4	94.9	95.9	96.1	96.4	96.4	96.6	96.7	96.9	97.1	98.0
100	65.4	83.4	87.1	89.4	92.6	93.6	95.0	96.0	96.2	96.6	96.6	96.7	97.2	97.6	98.0	99.2
0	65.4	83.4	87.1	89.4	92.6	93.6	95.0	96.0	96.2	96.6	96.6	96.7	97.2	97.6	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-76, 74-78
YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS UTC

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING ≥ 20000	39.0	54.2	58.3	60.4	61.0	61.3	61.8	62.2	62.3	62.7	62.7	62.7	62.7	62.7	62.9	63.3
≥ 18000	39.9	55.9	60.2	62.6	63.2	63.7	64.2	64.7	64.8	65.1	65.2	65.2	65.3	65.3	65.6	66.1
≥ 16000	39.9	55.9	60.2	62.6	63.2	63.7	64.2	64.7	64.8	65.1	65.2	65.2	65.3	65.3	65.6	66.1
≥ 14000	40.3	56.4	60.8	63.1	63.8	64.2	64.8	65.2	65.3	65.7	65.8	65.8	65.9	65.9	66.1	66.7
≥ 12000	41.0	57.4	62.0	64.4	65.1	65.6	66.1	66.6	66.7	67.0	67.1	67.1	67.2	67.2	67.4	68.0
≥ 10000	42.7	60.0	65.0	67.7	68.7	69.1	69.7	70.1	70.2	70.6	70.7	70.7	70.9	70.9	71.1	71.7
≥ 9000	43.4	60.8	65.8	68.4	69.4	69.9	70.4	70.9	71.0	71.3	71.4	71.4	71.7	71.7	71.9	72.4
≥ 8000	43.9	62.1	67.2	70.1	71.3	71.8	72.3	72.8	72.9	73.2	73.3	73.3	73.6	73.6	73.8	74.3
≥ 7000	44.9	63.3	68.4	71.3	72.6	73.0	73.6	74.0	74.1	74.4	74.5	74.6	74.8	74.8	75.0	75.6
≥ 6000	45.6	64.6	69.7	72.8	74.1	74.6	75.1	75.6	75.7	76.0	76.1	76.1	76.3	76.3	76.6	77.1
≥ 5000	46.4	66.0	71.7	74.8	76.1	76.6	77.1	77.8	77.9	78.2	78.3	78.3	78.7	78.7	78.9	79.4
≥ 4500	46.8	67.0	72.8	76.0	77.6	78.0	78.6	79.2	79.3	79.7	79.8	79.8	80.1	80.1	80.3	80.9
≥ 4000	47.6	68.3	74.3	77.7	79.3	79.8	80.6	81.3	81.4	81.8	81.9	81.9	82.2	82.2	82.4	83.0
≥ 3500	47.8	68.8	74.8	78.2	79.9	80.3	81.1	81.9	82.0	82.3	82.4	82.4	82.8	82.8	83.0	83.6
≥ 3000	47.8	68.9	75.1	78.6	80.3	80.9	81.7	82.4	82.6	82.9	83.0	83.0	83.3	83.3	83.6	84.1
≥ 2500	47.9	69.0	75.3	78.8	80.6	81.1	82.0	82.8	82.9	83.2	83.3	83.3	83.7	83.7	83.9	84.4
≥ 2000	48.0	69.7	76.2	79.8	81.6	82.1	83.1	84.0	84.1	84.4	84.6	84.6	84.9	84.9	85.1	85.7
≥ 1800	48.0	69.7	76.2	79.8	81.6	82.1	83.1	84.0	84.1	84.4	84.6	84.6	84.9	84.9	85.1	85.7
≥ 1500	48.1	70.0	76.6	80.2	82.0	82.6	83.6	84.4	84.6	84.9	85.0	85.0	85.3	85.3	85.6	86.1
≥ 1200	48.3	70.4	77.1	81.0	82.9	83.4	84.4	85.4	85.6	85.9	86.0	86.0	86.3	86.3	86.6	87.1
≥ 1000	48.6	70.9	77.7	81.7	83.6	84.1	85.2	86.2	86.3	86.7	86.8	86.8	87.1	87.1	87.3	87.9
≥ 900	48.8	71.2	78.1	82.1	84.0	84.6	85.7	86.7	86.8	87.1	87.2	87.2	87.6	87.6	87.8	88.3
≥ 800	48.8	71.4	78.6	82.6	84.6	85.1	86.2	87.2	87.3	87.7	87.8	87.8	88.1	88.1	88.3	88.9
≥ 700	48.8	71.6	78.9	83.1	85.6	86.1	87.4	88.4	88.6	88.9	89.0	89.0	89.3	89.3	89.6	90.1
≥ 600	48.8	71.7	79.0	83.3	85.9	86.4	87.9	88.9	89.0	89.3	89.4	89.4	89.8	89.8	90.0	90.6
≥ 500	48.8	71.8	79.1	83.6	87.1	87.7	89.6	90.7	90.8	91.1	91.2	91.2	91.6	91.6	91.8	92.3
≥ 400	48.8	71.8	79.1	84.0	88.6	89.2	91.2	92.6	92.7	93.0	93.1	93.1	93.6	93.6	93.8	94.3
≥ 300	48.8	71.8	79.1	84.1	88.8	89.6	91.9	93.8	93.9	94.2	94.7	94.7	95.1	95.1	95.3	96.0
≥ 200	48.8	71.8	79.1	84.1	88.8	89.7	92.0	93.9	94.0	94.3	94.8	94.8	95.2	95.2	95.6	96.7
≥ 100	48.8	71.8	79.1	84.1	88.8	89.7	92.0	93.9	94.1	94.6	95.0	95.0	95.8	95.9	97.0	98.8
≥ 0	48.8	71.8	79.1	84.1	88.8	89.7	92.0	93.9	94.1	94.6	95.0	95.0	95.8	95.9	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTR
STATION NAME

66-70,74-78
YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	37.6	58.0	60.3	61.1	61.4	61.6	61.8	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.4
≥ 20000	39.0	61.3	64.2	65.0	65.4	65.6	65.8	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.6
≥ 18000	39.0	61.3	64.2	65.0	65.4	65.6	65.8	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.6
≥ 16000	39.1	61.4	64.3	65.1	65.6	65.7	65.9	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.7
≥ 14000	39.3	61.8	64.7	65.4	65.9	66.0	66.2	66.6	66.6	66.8	66.8	66.8	66.8	66.8	66.8	67.0
≥ 12000	40.3	63.6	66.4	67.3	67.8	67.9	68.1	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.9
≥ 10000	41.2	65.6	68.7	69.9	70.3	70.4	70.7	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.4
≥ 9000	42.0	66.3	69.4	70.7	71.1	71.2	71.4	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.2
≥ 8000	42.6	68.2	71.4	72.9	73.4	73.6	73.8	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.6
≥ 7000	43.4	69.4	72.9	74.4	75.3	75.4	75.7	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.4
≥ 6000	43.9	70.3	73.8	75.4	76.4	76.6	76.8	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.7
≥ 5000	44.1	71.4	75.0	76.8	77.8	77.9	78.2	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	79.1
≥ 4500	44.4	72.2	75.8	77.6	78.7	78.8	79.2	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	80.1
≥ 4000	44.8	73.3	77.1	79.0	80.2	80.3	80.8	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.7
≥ 3500	45.1	73.8	77.8	79.7	80.9	81.0	81.4	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.3
≥ 3000	45.1	74.0	78.0	80.0	81.2	81.3	81.8	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.7
≥ 2500	45.3	74.7	78.8	80.8	82.1	82.3	82.8	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.7
≥ 2000	45.4	75.1	79.3	81.4	83.1	83.3	83.8	84.3	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.8
≥ 1800	45.4	75.3	79.7	81.8	83.4	83.7	84.1	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	85.1
≥ 1500	45.6	76.4	80.8	83.0	84.9	85.1	85.6	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.6
≥ 1200	45.9	77.8	82.3	84.9	87.2	87.4	87.9	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.9
≥ 1000	45.9	78.0	82.7	85.3	87.7	88.0	88.4	89.2	89.2	89.4	89.6	89.6	89.6	89.6	89.6	89.8
≥ 900	46.0	78.6	83.2	86.2	88.9	89.2	89.8	90.6	90.6	90.8	90.9	90.9	90.9	90.9	90.9	91.1
≥ 800	46.0	78.8	83.7	86.8	89.6	89.9	90.4	91.2	91.2	91.4	91.6	91.6	91.6	91.6	91.6	91.8
≥ 700	46.0	78.8	84.1	87.2	90.7	91.2	91.9	92.7	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.2
≥ 600	46.0	79.3	84.9	88.4	92.0	92.6	93.2	94.0	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.6
≥ 500	46.0	79.4	85.0	88.8	93.0	93.7	94.4	95.3	95.6	96.1	96.2	96.2	96.2	96.2	96.2	96.4
≥ 400	46.0	79.6	85.1	88.9	93.3	94.0	95.0	96.0	96.2	96.8	97.0	97.0	97.0	97.0	97.0	97.2
≥ 300	46.0	79.6	85.1	88.9	93.6	94.4	95.6	96.6	96.8	97.4	98.0	98.0	98.0	98.0	98.2	98.4
≥ 200	46.0	79.6	85.1	88.9	93.6	94.4	95.8	96.8	97.1	97.8	98.4	98.4	98.4	98.7	99.2	99.4
≥ 100	46.0	79.6	85.1	88.9	93.6	94.4	95.8	96.8	97.1	97.8	98.4	98.4	98.4	98.7	99.2	99.8
≥ 0	46.0	79.6	85.1	88.9	93.6	94.4	95.8	96.8	97.1	97.8	98.4	98.4	98.4	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

NDV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS U.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.9	≥0.8	≥0.7	≥0.6	≥0.5	≥0
NO CEILING ≥ 20000	47.3	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 18000 ≥ 16000	48.1	64.8	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 14000 ≥ 12000	48.3	65.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 10000 ≥ 8000	48.9	65.7	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 6000 ≥ 4000	50.7	68.5	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 3000 ≥ 2000	52.7	71.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 1500 ≥ 1000	53.6	73.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 800 ≥ 600	54.6	74.5	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 400 ≥ 300	55.5	76.0	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 200 ≥ 150	56.5	77.9	79.2	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 100 ≥ 50	57.3	79.5	81.0	81.3	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 30 ≥ 20	57.7	80.3	81.8	82.2	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 15 ≥ 10	58.4	82.3	83.9	84.3	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 5 ≥ 0	59.1	83.0	84.5	85.0	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 0	59.6	83.9	85.4	85.9	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2500 ≥ 2000	60.2	84.9	86.5	87.1	87.4	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800 ≥ 1500	60.7	86.5	88.4	89.2	89.8	90.0	90.0	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1200 ≥ 1000	61.0	87.0	88.9	89.9	90.4	90.7	90.7	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 800 ≥ 600	61.1	87.8	89.8	91.0	91.5	91.8	91.8	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 400 ≥ 300	61.3	88.1	90.7	92.3	93.0	93.3	93.3	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 200 ≥ 150	61.3	88.3	91.1	93.4	94.3	94.7	94.8	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 100 ≥ 50	61.3	88.3	91.1	93.5	94.4	94.8	94.9	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 30 ≥ 20	61.3	88.3	91.1	93.8	94.7	95.1	95.3	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 15 ≥ 10	61.3	88.7	91.4	94.2	95.6	96.1	96.4	96.8	96.8	97.0	97.0	97.0	97.1	97.1	97.1	97.1
≥ 5 ≥ 0	61.3	88.7	91.5	94.3	95.7	96.2	96.7	97.1	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4
≥ 0	61.3	88.7	91.7	94.7	96.3	97.0	97.4	98.0	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.3
≥ 2500 ≥ 2000	61.3	88.7	91.8	95.0	96.7	97.3	98.0	98.6	98.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9
≥ 1800 ≥ 1500	61.3	88.7	91.8	95.3	97.1	98.0	98.7	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 1200 ≥ 1000	61.3	88.7	91.8	95.3	97.1	98.0	98.7	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 800 ≥ 600	61.3	88.7	91.8	95.3	97.1	98.0	98.7	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 400 ≥ 300	61.3	88.7	91.8	95.3	97.1	98.0	98.7	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 200 ≥ 150	61.3	88.7	91.8	95.3	97.1	98.0	98.7	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 100 ≥ 50	61.3	88.7	91.8	95.3	97.1	98.0	98.7	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 30 ≥ 20	61.3	88.7	91.8	95.3	97.1	98.0	98.7	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 15 ≥ 10	61.3	88.7	91.8	95.3	97.1	98.0	98.7	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 5 ≥ 0	61.3	88.7	91.8	95.3	97.1	98.0	98.7	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

06-70, 74-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	50.7	63.2	63.6	63.8	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 20000	52.3	66.7	67.5	67.7	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 18000	52.3	66.7	67.5	67.7	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 16000	52.7	67.2	68.0	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 14000	53.3	67.9	68.6	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000	54.5	69.5	70.3	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 10000	57.0	72.9	74.0	74.2	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 9000	58.0	74.0	75.1	75.3	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 8000	60.4	77.1	78.3	78.5	78.6	78.6	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000	61.3	78.4	79.6	80.1	80.2	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 6000	62.4	80.4	81.6	82.2	82.4	82.4	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 5000	63.8	83.0	84.4	85.3	85.5	85.5	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 4500	64.1	83.5	85.0	85.9	86.1	86.1	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 4000	65.5	85.8	87.4	88.4	88.8	88.8	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3500	65.6	86.0	87.8	88.8	89.1	89.1	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3000	65.9	86.8	88.5	89.7	90.0	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2500	66.3	87.8	89.8	91.3	91.8	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2000	66.7	88.9	90.9	92.8	93.3	93.4	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1800	66.7	89.0	91.0	93.0	93.5	93.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1500	66.7	89.1	91.2	93.5	94.3	94.4	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200	66.7	89.3	91.7	94.2	95.2	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1000	66.7	89.5	91.9	94.8	95.8	95.9	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	66.7	89.7	92.0	94.9	96.0	96.1	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	66.7	89.9	92.3	95.6	96.8	96.9	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	66.7	89.9	92.3	95.7	97.1	97.3	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	66.9	90.0	92.5	95.9	97.3	97.6	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	66.9	90.1	92.7	96.1	97.9	98.1	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	66.9	90.1	92.7	96.1	98.0	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	66.9	90.1	92.7	96.1	98.0	98.3	98.9	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	66.9	90.1	92.7	96.1	98.0	98.3	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	66.9	90.1	92.7	96.1	98.0	98.3	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	66.9	90.1	92.7	96.1	98.0	98.3	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAF-ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	55.1	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 20000	57.1	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 18000	57.1	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000	57.1	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000	57.2	70.9	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000	58.7	72.4	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 10000	61.0	75.6	75.8	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	61.8	76.6	76.8	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 8000	64.1	79.7	80.2	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 7000	65.7	82.0	82.5	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 6000	67.7	84.3	85.0	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 5000	69.5	86.5	87.3	87.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 4500	70.0	87.2	88.0	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 4000	71.0	88.8	89.8	90.0	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 3500	71.3	89.2	90.2	90.5	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3000	71.7	90.0	91.0	91.3	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2500	72.2	91.0	92.0	92.3	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2000	72.7	91.6	92.9	93.3	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	72.7	91.6	92.9	93.5	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	73.1	92.0	93.5	94.3	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1200	73.1	92.1	93.9	94.8	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1000	73.1	92.1	93.9	95.0	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	73.1	92.1	93.9	95.1	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	73.1	92.3	94.1	95.3	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	73.1	92.4	94.2	95.4	96.3	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	73.1	92.4	94.2	95.7	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 500	73.1	92.5	94.4	95.9	97.7	97.8	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	73.2	92.7	94.5	96.0	97.9	98.1	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	73.2	92.7	94.5	96.0	97.9	98.1	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	73.2	92.7	94.5	96.0	97.9	98.1	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	73.2	92.7	94.5	96.0	97.9	98.1	98.9	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	73.2	92.7	94.5	96.0	97.9	98.1	98.9	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

NDV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	57.0	69.1	69.5	69.5	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 20000	58.3	71.4	71.9	71.9	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 18000	58.3	71.4	71.9	71.9	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 16000	58.3	71.4	71.9	71.9	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 14000	58.3	71.4	71.9	71.9	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 12000	59.4	72.8	73.2	73.2	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 10000	62.8	76.3	76.8	76.8	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000	63.4	76.9	77.3	77.3	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000	65.7	80.4	81.0	81.3	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 7000	67.1	82.0	82.8	83.0	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 6000	68.0	83.3	84.0	84.3	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 5000	69.2	84.7	85.6	85.8	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4500	70.0	85.5	86.4	86.6	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	70.5	86.7	87.9	88.2	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3500	70.5	87.1	88.5	88.8	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3000	71.3	87.8	89.3	89.6	89.8	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2500	71.9	88.6	90.2	90.5	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	72.4	89.4	91.2	91.5	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1800	72.4	89.4	91.2	91.5	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1500	72.5	89.7	92.1	92.5	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1200	72.5	90.1	92.6	93.2	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000	72.5	90.1	92.7	93.4	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900	72.5	90.1	93.0	93.6	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 800	72.5	90.1	93.0	93.6	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 700	72.5	90.2	93.4	94.1	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 600	72.5	90.2	93.5	94.3	95.6	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 500	72.7	90.4	93.8	94.6	96.5	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 400	72.7	90.4	93.8	94.6	97.1	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	72.7	90.4	93.8	94.6	97.4	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 200	72.7	90.4	93.8	94.6	97.4	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 100	72.7	90.4	93.8	94.6	97.4	98.0	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 0	72.7	90.4	93.8	94.6	97.4	98.0	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 996

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

06-70, 74-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURLY OBS.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	49.5	63.1	64.5	64.9	65.1	65.2	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.7	65.8
≥ 20000	50.7	65.7	67.2	67.7	68.0	68.0	68.2	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.6	68.7
≥ 18000	50.7	65.7	67.2	67.7	68.0	68.0	68.2	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.6	68.7
≥ 16000	50.8	65.8	67.3	67.8	68.1	68.1	68.3	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.7	68.8
≥ 14000	51.0	66.1	67.6	68.1	68.4	68.5	68.6	68.8	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.2
≥ 12000	52.1	67.5	69.1	69.6	69.8	69.9	70.1	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.5	70.6
≥ 10000	54.3	70.6	72.3	72.9	73.2	73.3	73.5	73.7	73.7	73.8	73.8	73.8	73.9	73.9	73.9	74.1
≥ 9000	55.0	71.4	73.1	73.7	74.0	74.1	74.3	74.4	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.9
≥ 8000	56.4	73.6	75.5	76.2	76.6	76.7	76.9	77.0	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.5
≥ 7000	57.7	75.3	77.2	78.0	78.5	78.5	78.8	78.9	78.9	79.0	79.1	79.1	79.1	79.1	79.2	79.3
≥ 6000	58.7	76.8	78.8	79.7	80.2	80.3	80.5	80.7	80.7	80.8	80.8	80.8	80.9	80.9	80.9	81.1
≥ 5000	59.7	78.5	80.7	81.6	82.2	82.3	82.5	82.7	82.7	82.8	82.8	82.8	82.9	82.9	83.0	83.1
≥ 4500	60.1	79.2	81.4	82.4	82.9	83.0	83.3	83.5	83.5	83.6	83.6	83.6	83.7	83.7	83.7	83.9
≥ 4000	61.0	80.7	83.1	84.1	84.7	84.8	85.1	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.6	85.7
≥ 3500	61.3	81.3	83.8	84.9	85.5	85.6	85.9	86.1	86.1	86.2	86.2	86.2	86.3	86.3	86.4	86.5
≥ 3000	61.7	81.9	84.4	85.5	86.2	86.3	86.6	86.8	86.8	86.9	86.9	86.9	87.0	87.0	87.1	87.2
≥ 2500	62.0	82.5	85.2	86.3	87.0	87.1	87.4	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.9	88.1
≥ 2000	62.2	83.3	86.1	87.3	88.1	88.3	88.6	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.2	89.3
≥ 1800	62.4	83.4	86.2	87.6	88.4	88.5	88.8	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.4	89.6
≥ 1500	62.5	83.8	86.8	88.2	89.1	89.3	89.6	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.2	90.3
≥ 1200	62.7	84.4	87.6	89.3	90.3	90.5	90.8	91.0	91.1	91.2	91.2	91.2	91.3	91.3	91.4	91.5
≥ 1000	62.7	84.5	87.8	89.7	90.8	91.0	91.3	91.6	91.7	91.8	91.9	91.9	91.9	91.9	92.0	92.1
≥ 900	62.8	84.7	88.1	90.1	91.3	91.5	91.9	92.2	92.2	92.4	92.4	92.4	92.5	92.5	92.5	92.7
≥ 800	62.8	84.9	88.5	90.6	91.9	92.1	92.4	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.1	93.3
≥ 700	62.8	85.0	88.7	90.9	92.5	92.8	93.3	93.6	93.7	93.8	93.8	93.8	93.9	93.9	94.0	94.1
≥ 600	62.8	85.2	88.9	91.3	93.2	93.5	94.0	94.4	94.4	94.6	94.6	94.6	94.7	94.7	94.8	94.9
≥ 500	62.9	85.3	89.2	91.6	94.1	94.5	95.2	95.7	95.8	96.0	96.0	96.0	96.1	96.1	96.2	96.3
≥ 400	62.9	85.3	89.2	91.8	94.5	94.9	95.8	96.4	96.4	96.7	96.7	96.8	96.8	96.8	96.9	97.1
≥ 300	62.9	85.4	89.2	91.9	94.8	95.5	96.5	97.2	97.3	97.7	97.8	97.9	98.0	98.0	98.1	98.2
≥ 200	62.9	85.4	89.2	91.9	94.9	95.6	96.7	97.5	97.6	98.0	98.2	98.2	98.4	98.4	98.6	98.9
≥ 100	62.9	85.4	89.2	91.9	94.9	95.6	96.7	97.5	97.7	98.1	98.3	98.3	98.6	98.7	99.0	99.6
U	62.9	85.4	89.2	91.9	94.9	95.6	96.7	97.5	97.7	98.1	98.3	98.3	98.6	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7192

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

5-70, 74-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	53.5	60.1	61.2	61.4	61.5	61.5	61.7	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.2	62.2
≥ 20000	53.9	60.5	61.6	61.8	61.9	61.9	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.6	62.6
≥ 18000	53.9	60.5	61.6	61.8	61.9	61.9	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.6	62.6
≥ 16000	53.9	60.5	61.6	61.8	61.9	61.9	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.6	62.6
≥ 14000	54.0	60.8	61.8	62.0	62.2	62.2	62.4	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.8	62.8
≥ 12000	55.2	62.5	63.7	63.9	64.0	64.0	64.2	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.6	64.6
≥ 10000	56.9	64.6	65.8	66.0	66.1	66.1	66.3	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.8	66.8
≥ 9000	57.3	65.3	66.5	66.7	66.8	66.8	67.0	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.4	67.4
≥ 8000	59.6	68.6	70.2	70.4	70.5	70.5	70.8	71.0	71.0	71.1	71.1	71.1	71.1	71.2	71.3	71.4
≥ 7000	60.3	69.6	71.4	71.6	71.7	71.7	71.9	72.2	72.2	72.3	72.3	72.3	72.3	72.4	72.5	72.6
≥ 6000	62.5	71.9	73.8	74.0	74.1	74.1	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.7	74.8	74.9
≥ 5000	64.8	74.4	76.5	76.8	76.9	76.9	77.1	77.3	77.3	77.4	77.4	77.4	77.4	77.5	77.6	77.7
≥ 4500	65.4	75.2	77.2	77.5	77.6	77.6	77.8	78.1	78.1	78.2	78.2	78.2	78.3	78.4	78.5	78.5
≥ 4000	66.3	76.5	78.5	78.8	78.9	78.9	79.1	79.4	79.4	79.5	79.5	79.5	79.6	79.7	79.8	79.8
≥ 3500	67.1	77.4	79.5	79.8	79.9	79.9	80.1	80.3	80.3	80.4	80.4	80.4	80.5	80.6	80.8	80.8
≥ 3000	68.6	79.0	81.1	81.4	81.6	81.6	81.8	82.0	82.0	82.2	82.2	82.2	82.3	82.4	82.5	82.5
≥ 2500	68.9	79.5	81.5	81.8	82.0	82.0	82.3	82.5	82.5	82.6	82.6	82.6	82.7	82.8	82.9	82.9
≥ 2000	69.4	80.3	82.7	83.0	83.2	83.2	83.4	83.7	83.7	83.8	83.8	83.8	83.9	84.0	84.1	84.1
≥ 1800	69.5	80.4	82.8	83.1	83.3	83.3	83.5	83.8	83.8	83.9	83.9	83.9	84.0	84.1	84.2	84.2
≥ 1500	69.9	81.1	83.4	83.8	84.0	84.0	84.2	84.4	84.4	84.5	84.5	84.5	84.6	84.7	84.8	84.8
≥ 1200	70.5	82.0	84.8	85.2	85.4	85.4	85.6	85.8	85.8	85.9	85.9	85.9	86.0	86.1	86.2	86.2
≥ 1000	70.6	82.4	85.4	85.8	86.0	86.0	86.2	86.5	86.5	86.6	86.6	86.6	86.7	86.8	86.9	86.9
≥ 900	71.0	82.7	85.7	86.1	86.5	86.5	86.7	86.9	86.9	87.0	87.0	87.0	87.1	87.2	87.3	87.3
≥ 800	71.1	83.0	86.3	86.8	87.3	87.3	87.5	87.7	87.7	87.8	87.8	87.8	88.0	88.1	88.2	88.2
≥ 700	71.1	83.1	86.6	87.0	87.5	87.5	88.0	88.2	88.2	88.3	88.3	88.3	88.4	88.5	88.6	88.6
≥ 600	71.6	83.7	87.2	88.0	89.0	89.1	89.6	89.8	89.8	89.9	89.9	89.9	90.0	90.1	90.2	90.2
≥ 500	71.9	84.0	87.8	88.8	90.2	90.3	91.0	91.2	91.2	91.3	91.3	91.3	91.4	91.5	91.6	91.6
≥ 400	72.0	84.2	88.2	89.1	90.8	91.0	91.7	91.9	91.9	92.3	92.3	92.3	92.4	92.6	92.7	92.7
≥ 300	72.2	84.4	88.4	89.6	91.4	91.7	93.9	94.4	94.4	94.9	95.1	95.1	95.2	95.4	95.5	95.8
≥ 200	72.2	84.4	88.4	89.7	91.8	92.5	94.8	95.8	95.8	96.5	96.8	96.8	97.0	97.2	97.3	97.7
≥ 100	72.2	84.4	88.4	89.7	91.8	92.5	94.8	95.9	95.9	96.7	97.0	97.0	97.6	97.8	98.1	99.4
≥ 0	72.2	84.4	88.4	89.7	91.8	92.5	94.8	95.9	95.9	96.7	97.0	97.0	97.6	97.8	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

65-70,74-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	52.6	58.9	60.5	60.6	60.8	60.8	60.8	60.9	60.9	60.9	61.2	61.2	61.2	61.2	61.3	61.3
≥ 20000	53.5	60.2	61.8	61.9	62.2	62.2	62.2	62.3	62.3	62.3	62.6	62.6	62.6	62.6	62.7	62.7
≥ 18000	53.5	60.2	61.8	61.9	62.2	62.2	62.2	62.3	62.3	62.3	62.6	62.6	62.6	62.6	62.7	62.7
≥ 16000	53.5	60.2	61.8	61.9	62.2	62.2	62.2	62.3	62.3	62.3	62.6	62.6	62.6	62.6	62.7	62.7
≥ 14000	53.9	60.5	62.3	62.4	62.6	62.6	62.6	62.7	62.7	62.7	63.0	63.0	63.0	63.0	63.1	63.1
≥ 12000	54.5	61.9	63.7	63.8	64.0	64.0	64.0	64.1	64.1	64.1	64.4	64.4	64.4	64.4	64.5	64.5
≥ 10000	55.9	63.5	65.3	65.4	65.6	65.6	65.6	65.7	65.7	65.7	66.0	66.0	66.0	66.0	66.1	66.1
≥ 9000	56.3	64.2	65.9	66.0	66.2	66.2	66.2	66.3	66.3	66.3	66.7	66.7	66.7	66.7	66.8	66.8
≥ 8000	57.7	66.7	68.6	68.7	68.9	68.9	68.9	69.0	69.0	69.0	69.4	69.4	69.4	69.4	69.5	69.5
≥ 7000	58.5	67.5	69.5	69.6	69.8	69.8	69.8	69.9	69.9	69.9	70.3	70.3	70.3	70.3	70.4	70.4
≥ 6000	60.8	70.3	72.5	72.7	72.9	73.0	73.0	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.7	73.7
≥ 5000	62.8	72.7	75.2	75.5	75.7	75.8	75.8	75.9	75.9	75.9	76.3	76.3	76.3	76.3	76.5	76.5
≥ 4500	63.8	73.7	76.8	77.1	77.3	77.4	77.4	77.5	77.5	77.5	78.0	78.0	78.0	78.0	78.1	78.1
≥ 4000	64.0	74.1	77.5	77.8	78.1	78.2	78.2	78.3	78.3	78.3	78.7	78.7	78.7	78.7	78.8	78.8
≥ 3500	65.1	75.5	79.1	79.6	79.8	79.9	79.9	80.0	80.0	80.0	80.4	80.4	80.4	80.4	80.5	80.5
≥ 3000	66.3	77.1	80.8	81.2	81.5	81.6	81.6	81.7	81.7	81.7	82.2	82.2	82.2	82.2	82.3	82.3
≥ 2500	66.9	77.6	81.3	81.7	82.0	82.2	82.2	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.8	82.8
≥ 2000	67.2	78.5	82.2	82.6	82.9	83.0	83.0	83.1	83.1	83.1	83.5	83.5	83.5	83.5	83.7	83.7
≥ 1800	67.2	78.5	82.2	82.6	82.9	83.0	83.0	83.1	83.1	83.1	83.5	83.5	83.5	83.5	83.7	83.7
≥ 1500	67.2	78.6	82.3	82.7	83.0	83.1	83.1	83.2	83.2	83.2	83.7	83.7	83.7	83.7	83.8	83.8
≥ 1200	67.5	79.1	82.8	83.2	83.5	83.7	83.7	83.8	83.8	83.8	84.2	84.2	84.2	84.2	84.3	84.3
≥ 1000	68.0	79.9	83.7	84.2	84.8	84.9	84.9	85.1	85.1	85.1	85.5	85.5	85.5	85.5	85.7	85.7
≥ 900	68.4	80.5	84.4	84.9	85.6	85.7	85.7	85.8	85.8	85.8	86.2	86.2	86.2	86.2	86.5	86.5
≥ 800	69.0	81.3	85.3	85.9	86.7	86.8	86.8	86.9	86.9	86.9	87.3	87.3	87.3	87.3	87.5	87.5
≥ 700	69.0	81.4	85.5	86.5	87.5	87.6	88.0	88.1	88.1	88.1	88.5	88.5	88.5	88.5	88.7	88.7
≥ 600	69.4	82.0	86.2	87.2	88.5	88.6	89.0	89.1	89.1	89.1	89.6	89.6	89.6	89.6	89.8	89.8
≥ 500	69.4	82.4	86.8	87.7	89.4	89.6	90.0	90.3	90.3	90.4	90.9	90.9	90.9	90.9	91.1	91.3
≥ 400	69.4	82.5	87.0	88.2	90.2	90.5	91.2	91.7	91.7	91.8	92.3	92.3	92.5	92.5	92.7	92.9
≥ 300	69.4	82.6	87.1	88.5	91.2	91.5	92.5	93.4	93.5	94.3	94.7	94.7	95.1	95.1	95.4	95.6
≥ 200	69.4	82.6	87.1	88.5	91.6	92.0	93.2	94.6	94.7	95.6	96.1	96.1	96.6	96.7	97.4	97.8
≥ 100	69.4	82.6	87.1	88.5	91.6	92.0	93.2	94.6	94.7	95.6	96.3	96.3	96.8	96.9	97.8	99.1
≥ 0	69.4	82.6	87.1	88.5	91.6	92.0	93.2	94.6	94.7	95.6	96.3	96.3	96.8	96.9	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUNTER
STATION NAME

65-70, 74-77
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	43.1	53.3	55.1	55.6	56.1	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.5	56.5	56.7
≥ 20000	43.9	54.7	56.7	57.4	58.0	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.3	58.3	58.6
≥ 18000	43.9	54.7	56.7	57.4	58.0	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.3	58.3	58.6
≥ 16000	43.9	54.7	56.7	57.4	58.0	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.3	58.3	58.6
≥ 14000	44.0	54.9	56.9	57.7	58.3	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.6	58.6	58.9
≥ 12000	44.9	56.8	58.9	59.8	60.3	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.6	60.6	61.0
≥ 10000	47.2	60.0	62.4	63.3	64.0	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.3	64.3	64.6
≥ 9000	48.1	61.2	63.7	64.6	65.3	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.9
≥ 8000	49.6	63.2	65.8	66.8	67.4	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.7	67.7	68.1
≥ 7000	50.2	64.1	66.8	67.7	68.4	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.7	68.7	69.0
≥ 6000	51.6	66.0	68.9	69.9	70.6	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	71.0	71.0	71.3
≥ 5000	53.0	68.1	71.3	72.3	73.1	73.2	73.3	73.3	73.3	73.5	73.5	73.5	73.5	73.7	73.7	74.1
≥ 4500	53.4	68.8	72.2	73.1	74.1	74.2	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.6	74.6	75.1
≥ 4000	53.8	69.9	73.2	74.4	75.5	75.6	75.7	75.7	75.7	75.9	75.9	75.9	75.9	76.0	76.0	76.5
≥ 3500	54.7	71.4	74.7	76.0	77.2	77.3	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.7	77.7	78.2
≥ 3000	55.5	72.5	75.8	77.3	78.5	78.7	78.8	78.8	78.8	79.0	79.0	79.0	79.0	79.1	79.1	79.6
≥ 2500	55.7	72.8	76.2	77.7	78.9	79.2	79.4	79.5	79.5	79.7	79.7	79.7	79.7	79.8	79.8	80.2
≥ 2000	56.6	74.1	77.5	79.1	80.3	80.6	80.8	80.9	80.9	81.1	81.1	81.1	81.1	81.2	81.2	81.6
≥ 1800	56.6	74.1	77.5	79.4	80.5	80.9	81.0	81.1	81.1	81.3	81.3	81.3	81.3	81.4	81.4	81.8
≥ 1500	56.8	74.7	78.2	80.0	81.3	81.6	81.7	81.8	81.9	82.2	82.2	82.2	82.2	82.3	82.3	82.7
≥ 1200	57.2	75.3	78.9	80.8	82.0	82.4	82.6	82.7	82.8	83.0	83.0	83.0	83.0	83.1	83.1	83.5
≥ 1000	57.3	76.0	79.8	81.6	82.9	83.3	83.7	83.8	83.9	84.1	84.1	84.1	84.1	84.2	84.2	84.6
≥ 900	57.3	76.3	80.2	82.2	83.4	83.9	84.2	84.3	84.4	84.6	84.6	84.6	84.6	84.7	84.7	85.2
≥ 800	57.6	76.9	81.2	83.1	84.5	85.2	85.6	85.7	85.8	86.0	86.0	86.0	86.0	86.1	86.1	86.6
≥ 700	57.8	77.4	81.9	83.9	85.4	86.0	86.7	86.9	87.0	87.2	87.2	87.2	87.2	87.3	87.3	87.7
≥ 600	58.1	78.4	83.0	84.9	86.6	87.4	88.1	88.4	88.5	88.7	88.7	88.7	88.7	88.8	88.8	89.2
≥ 500	58.4	79.4	84.0	86.0	88.3	89.4	90.2	90.5	90.6	90.9	90.9	90.9	90.9	91.1	91.1	91.6
≥ 400	58.4	79.5	84.2	86.6	89.1	90.8	91.9	92.4	92.5	92.8	92.8	92.8	92.8	93.0	93.0	93.7
≥ 300	58.4	79.5	84.2	86.9	89.9	91.7	93.3	94.2	94.4	94.9	95.1	95.4	95.7	95.9	96.2	96.8
≥ 200	58.4	79.5	84.2	86.9	90.2	92.2	94.2	95.4	95.7	96.5	96.9	97.2	97.7	98.0	98.4	99.2
≥ 100	58.4	79.5	84.2	86.9	90.2	92.2	94.2	95.6	95.9	96.7	97.2	97.5	98.1	98.3	98.7	99.6
≥ 0	58.4	79.5	84.2	86.9	90.2	92.2	94.2	95.6	95.9	96.7	97.2	97.5	98.1	98.3	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

65-70, 74-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	38.6	54.4	56.0	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8
≥ 2000	40.3	56.5	58.2	58.6	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0
≥ 1800	40.3	56.5	58.2	58.6	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.1
≥ 1600	40.3	56.5	58.2	58.6	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.1
≥ 1400	41.1	57.4	59.1	59.8	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.3
≥ 1200	42.4	59.2	61.0	61.6	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.2
≥ 1000	44.4	62.4	64.3	65.1	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.6
≥ 900	44.9	63.4	65.9	66.9	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.5
800	46.0	65.4	68.0	69.1	69.5	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	70.0
700	46.8	66.8	69.5	70.8	71.3	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.8
≥ 600	47.2	67.3	70.0	71.3	71.8	71.9	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.4
500	48.3	68.8	71.7	73.2	73.8	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.3
450	48.5	69.2	72.2	73.7	74.2	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.7
400	49.0	70.8	73.9	75.6	76.1	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.7
≥ 350	49.4	71.4	74.5	76.3	76.9	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.4
300	49.7	72.2	75.4	77.4	78.3	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.8
≥ 250	50.3	72.8	76.2	78.5	79.4	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.9
200	50.8	73.7	77.3	79.7	80.8	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.3
≥ 180	50.9	74.2	78.0	80.3	81.4	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	82.0
150	51.2	75.2	79.0	81.5	82.6	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.3
≥ 120	51.6	76.1	80.0	82.7	83.9	84.2	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.7	84.8
100	51.8	75.8	80.6	83.4	84.8	85.2	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.9	86.0
900	51.8	76.9	80.8	83.8	85.2	85.6	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.3	86.5
800	51.8	77.3	81.3	84.5	85.9	86.3	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.1	87.2
700	51.8	78.0	81.9	85.8	87.2	87.6	88.3	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.7	88.8
600	51.8	78.3	82.3	86.7	88.5	89.0	89.8	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.3	90.4
500	51.8	78.3	82.6	87.6	90.3	91.1	92.7	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.5	93.8
400	51.8	78.3	82.6	88.0	91.0	91.9	94.2	94.7	94.9	95.3	95.3	95.3	95.3	95.3	95.5	95.7
300	51.8	78.3	82.6	88.1	91.1	92.5	95.1	96.1	96.3	96.9	97.2	97.2	97.3	97.4	97.6	98.0
200	51.8	78.3	82.6	88.1	91.1	92.5	95.2	96.6	96.8	97.3	98.3	98.4	98.6	98.8	99.2	99.7
100	51.8	78.3	82.6	88.1	91.1	92.5	95.2	96.6	96.8	97.3	98.3	98.4	98.6	98.9	99.4	100.0
0	51.8	78.3	82.6	88.1	91.1	92.5	95.2	96.6	96.8	97.3	98.3	98.4	98.6	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

65-70,74-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING 20000	50.9	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
18000	52.5	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
16000	52.5	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
14000	52.8	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
12000	54.5	64.8	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
10000	56.8	67.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
8000	57.3	68.5	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
6000	58.6	70.6	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
5000	59.5	71.9	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
4500	60.0	72.7	73.1	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
4000	61.4	74.6	75.1	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
3500	61.4	74.9	75.4	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
3000	63.2	77.0	77.5	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
2500	63.9	78.0	78.6	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
2000	64.4	78.8	79.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
1800	64.9	80.3	81.2	82.3	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
1600	66.0	82.4	83.2	84.5	84.6	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
1400	66.3	82.7	83.5	84.9	85.1	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
1200	66.9	84.1	84.9	86.3	86.5	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
1000	67.2	84.7	85.8	87.4	87.6	88.2	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
900	67.2	85.5	86.9	88.5	88.8	89.4	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
800	67.2	85.6	87.4	89.0	89.4	90.0	90.3	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8
700	67.2	85.9	87.8	89.6	90.0	90.6	91.0	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
600	67.2	86.3	88.4	90.2	91.0	91.6	92.4	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
500	67.3	86.7	88.7	91.0	91.9	92.8	93.5	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
400	67.3	86.9	89.0	91.6	93.4	94.3	95.4	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
300	67.3	86.9	89.1	91.8	94.1	94.9	96.0	96.6	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0
200	67.3	86.9	89.1	91.8	94.1	95.1	96.3	97.0	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1
100	67.3	86.9	89.1	91.8	94.1	95.1	96.3	97.2	98.0	98.6	99.2	99.4	99.5	99.6	99.7	99.7
0	67.3	86.9	89.1	91.8	94.1	95.1	96.3	97.2	98.0	98.7	99.4	99.6	99.7	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF-ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

5-70,74-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING, FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	49.7	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 2000	53.4	63.3	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 1800	53.7	63.5	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 1600	52.8	63.7	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 1400	54.5	64.5	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 1200	55.3	66.1	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 1000	58.6	69.2	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 900	59.1	69.9	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 800	60.8	72.2	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 700	61.2	73.0	73.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 600	62.0	74.2	74.9	75.5	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 500	63.7	76.1	77.0	77.5	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 450	63.8	76.2	77.1	77.6	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 400	65.2	78.3	79.1	79.9	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 350	66.1	80.6	81.6	82.5	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 300	66.8	81.5	82.7	83.7	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 250	67.4	83.0	84.2	85.3	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 200	67.7	83.9	85.1	86.3	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 180	67.7	83.9	85.1	86.3	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 150	68.2	84.8	86.1	87.4	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 120	68.2	85.1	86.3	87.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 100	68.2	85.3	86.8	88.1	89.4	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 90	68.2	85.4	86.9	88.2	89.5	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 80	68.2	85.7	87.4	88.8	90.3	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 70	68.2	85.8	87.7	89.2	91.0	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 60	68.2	86.2	88.3	89.8	91.7	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 50	68.3	86.5	88.7	90.8	92.9	93.8	95.1	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6
≥ 40	68.3	86.7	89.0	91.1	93.5	94.6	95.9	96.5	96.6	96.6	96.7	96.9	96.9	96.9	96.9	96.9
≥ 30	68.3	86.7	89.0	91.2	93.7	95.1	96.8	97.6	98.1	98.1	98.2	98.4	98.4	98.5	98.5	98.5
≥ 20	68.3	86.7	89.0	91.2	93.7	95.1	96.9	97.8	98.3	98.3	98.8	99.1	99.1	99.4	99.6	99.6
≥ 10	68.3	86.7	89.0	91.2	93.7	95.1	96.9	98.1	98.5	99.0	99.4	99.4	99.4	99.6	99.6	100.0
≥ 0	68.3	86.7	89.0	91.2	93.7	95.1	96.9	98.1	98.5	99.0	99.4	99.4	99.4	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

65-70, 74-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	55.3	61.1	61.3	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6
≥ 20000	57.7	64.8	65.0	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000	57.9	65.0	65.2	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5
≥ 16000	57.9	65.0	65.2	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5
≥ 14000	58.6	66.1	66.3	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6
≥ 12000	59.9	67.7	68.1	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5
≥ 10000	62.2	70.6	71.0	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4
≥ 8000	62.6	71.0	71.4	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9
≥ 6000	64.0	72.8	73.3	73.5	73.5	73.5	73.5	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8
≥ 5000	64.3	73.3	73.7	73.9	73.9	73.9	73.9	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000	64.8	73.8	74.4	74.7	74.7	74.7	74.7	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3000	66.7	75.8	76.3	76.6	76.6	76.6	76.6	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9
≥ 2000	67.7	76.9	77.5	77.8	77.8	77.8	77.8	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1500	69.0	79.5	80.1	80.5	80.6	80.7	80.7	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1000	70.2	80.8	81.5	81.9	82.0	82.1	82.1	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4
≥ 800	70.8	81.8	82.7	83.1	83.2	83.3	83.4	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7
≥ 600	71.2	82.3	83.5	84.1	84.2	84.3	84.4	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8
≥ 400	71.9	83.9	85.2	85.9	86.0	86.2	86.3	86.5	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7
≥ 300	71.9	84.1	85.5	86.0	86.1	86.3	86.4	86.6	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9
≥ 200	71.9	84.5	86.2	86.7	87.0	87.2	87.4	87.6	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8
≥ 100	72.0	84.7	86.4	87.0	87.2	87.4	87.7	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1
≥ 50	72.1	84.9	86.7	87.4	87.6	87.8	88.1	88.4	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6
≥ 20	72.1	85.2	87.1	87.7	88.4	88.6	88.9	89.1	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3
≥ 10	72.4	85.9	87.9	88.7	89.3	89.5	90.1	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5
≥ 5	72.7	86.2	88.4	89.1	89.9	90.1	90.6	90.9	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2
≥ 2	72.7	86.6	88.9	90.0	90.8	91.3	92.0	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1	72.7	86.6	88.9	90.3	91.4	91.9	93.4	93.9	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1
≥ .5	72.7	86.7	89.1	90.5	91.8	92.6	94.2	94.8	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2
≥ .25	72.7	86.7	89.1	90.5	92.0	93.1	95.2	96.3	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ .1	72.7	86.7	89.1	90.5	92.2	93.4	95.7	97.3	98.1	98.1	98.3	98.3	98.4	98.4	98.7	98.7
≥ .05	72.7	86.7	89.1	90.5	92.2	93.4	95.9	97.6	98.5	98.5	98.8	98.8	99.1	99.1	99.5	99.7
≥ .01	72.7	86.7	89.1	90.5	92.2	93.4	95.9	97.6	98.5	98.5	98.8	98.8	99.1	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMYER
STATION NAME

5-70, 74-77
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS U.S.T.

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	55.4	51.7	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.8	62.8	62.8
≥ 20000	57.2	63.9	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.8	65.0	65.0	65.0
≥ 18000	57.2	63.9	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.8	65.0	65.0	65.0
≥ 16000	57.2	63.9	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.8	65.0	65.0	65.0
≥ 14000	57.6	65.0	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	66.0	66.0	66.2	66.2	66.2
≥ 12000	58.9	67.1	67.5	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.1	68.1	68.3	68.3	68.3
≥ 10000	61.4	70.4	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.4	71.4	71.6	71.6	71.6
≥ 9000	61.7	70.8	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.7	71.7	72.0	72.0	72.0
≥ 8000	63.8	73.8	74.3	74.6	74.6	74.6	74.6	74.8	74.8	74.8	74.8	75.0	75.0	75.4	75.4	75.4
≥ 7000	64.7	74.9	75.4	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	76.1	76.1	76.5	76.5	76.5
≥ 6000	65.8	75.9	76.5	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	77.1	77.1	77.6	77.6	77.6
≥ 5000	67.1	77.5	78.0	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.6	78.6	79.1	79.1	79.1
≥ 4500	67.9	78.5	79.2	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.8	79.8	80.3	80.3	80.3
≥ 4000	68.4	79.4	80.0	80.4	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.8	80.8	81.2	81.2	81.2
≥ 3500	68.9	80.0	80.7	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.4	81.4	81.9	81.9	81.9
≥ 3000	69.3	80.5	81.3	81.7	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.3	82.3	82.7	82.7	82.7
≥ 2500	70.1	81.6	82.5	83.0	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.7	83.7	84.1	84.1	84.1
≥ 2000	70.7	82.3	83.4	83.9	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.8	84.8	85.2	85.2	85.2
≥ 1800	70.9	82.6	83.7	84.3	84.7	84.8	84.8	84.9	84.9	84.9	84.9	85.1	85.1	85.5	85.5	85.5
≥ 1500	71.0	83.0	84.1	84.8	85.3	85.4	85.4	85.5	85.5	85.5	85.5	85.8	85.8	86.2	86.2	86.2
≥ 1200	71.3	83.4	84.7	85.3	86.0	86.2	86.2	86.3	86.3	86.3	86.3	86.5	86.5	86.9	86.9	86.9
≥ 1000	71.4	84.1	85.4	86.1	86.9	87.2	87.2	87.3	87.3	87.3	87.3	87.5	87.5	87.9	87.9	87.9
≥ 900	71.4	84.3	85.5	86.2	87.3	87.5	87.5	87.6	87.6	87.6	87.6	87.8	87.8	88.2	88.2	88.2
≥ 800	71.4	84.3	85.5	86.5	87.7	87.9	87.9	88.1	88.1	88.1	88.1	88.3	88.3	88.8	88.8	88.8
≥ 700	71.5	84.5	85.9	86.8	88.1	88.3	88.3	88.6	88.6	88.6	88.6	88.7	88.9	88.9	89.3	89.3
≥ 600	71.8	85.1	86.8	87.9	89.5	90.0	90.0	90.2	90.2	90.2	90.3	90.5	90.5	90.9	90.9	90.9
≥ 500	72.0	85.7	87.7	89.1	90.9	91.4	91.6	91.8	91.8	91.9	92.1	92.1	92.6	92.6	92.6	92.6
≥ 400	72.0	85.8	88.0	89.5	91.6	92.1	92.4	92.8	92.8	92.9	93.1	93.1	93.6	93.7	93.7	93.7
≥ 300	72.0	85.8	88.3	90.5	92.8	93.5	94.4	95.4	95.4	95.7	95.9	95.9	96.4	96.5	96.5	96.5
≥ 200	72.0	85.8	88.3	90.5	92.9	93.9	94.8	95.2	96.2	96.8	97.3	97.3	98.2	98.3	98.3	98.5
≥ 100	72.0	85.8	88.3	90.5	92.9	93.9	94.9	96.7	96.7	97.3	98.0	98.0	98.8	99.0	99.0	99.6
≥ 50	72.0	85.8	88.3	90.5	92.9	93.9	94.9	96.7	96.7	97.3	98.0	98.0	98.8	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849

SHAW AFB SOUTH CAROLINA/SUMTER

65-70, 74-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	>10	>6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	49.9	58.5	59.4	59.6	59.7	59.8	59.8	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.0
≥ 20000	51.5	60.8	61.7	62.0	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.5	62.5
≥ 18000	51.6	60.8	61.8	62.1	62.2	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.5	62.5	62.6
≥ 16000	51.6	60.8	61.8	62.1	62.2	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.5	62.5	62.6
≥ 14000	52.1	61.3	62.5	62.8	63.0	63.0	63.0	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.3	63.3
≥ 12000	53.3	63.3	64.3	64.7	64.8	64.8	64.8	64.9	64.9	64.9	65.0	65.0	65.0	65.1	65.1	65.1
≥ 10000	55.4	66.0	67.1	67.5	67.6	67.6	67.7	67.7	67.7	67.7	67.8	67.8	67.9	67.9	67.9	68.0
≥ 9000	55.9	66.8	67.9	68.4	68.5	68.6	68.6	68.6	68.6	68.7	68.8	68.8	68.8	68.8	68.9	68.9
≥ 8000	57.5	69.2	70.5	70.9	71.1	71.1	71.1	71.2	71.2	71.3	71.4	71.4	71.4	71.4	71.5	71.5
≥ 7000	58.2	70.1	71.5	72.0	72.2	72.2	72.3	72.4	72.4	72.4	72.5	72.5	72.6	72.6	72.6	72.7
≥ 6000	59.3	71.5	73.0	73.6	73.8	73.9	73.9	74.0	74.0	74.0	74.1	74.1	74.2	74.2	74.3	74.3
≥ 5000	61.0	73.5	75.1	75.7	76.1	76.1	76.1	76.2	76.2	76.3	76.4	76.4	76.4	76.4	76.5	76.6
≥ 4500	61.5	74.2	75.9	76.5	76.8	76.9	76.9	77.0	77.0	77.1	77.2	77.2	77.3	77.3	77.3	77.4
≥ 4000	62.4	75.7	77.5	78.2	78.5	78.6	78.7	78.7	78.7	78.8	78.9	78.9	79.0	79.0	79.0	79.1
≥ 3500	63.2	76.9	78.8	79.5	79.9	79.9	80.0	80.1	80.1	80.1	80.2	80.2	80.3	80.3	80.4	80.4
≥ 3000	63.9	77.9	79.9	80.8	81.2	81.3	81.4	81.5	81.5	81.5	81.6	81.6	81.7	81.7	81.8	81.8
≥ 2500	64.4	78.7	80.8	81.8	82.3	82.4	82.4	82.6	82.6	82.6	82.7	82.7	82.8	82.8	82.9	82.9
≥ 2000	65.0	79.9	82.1	83.1	83.7	83.9	83.9	84.1	84.1	84.1	84.2	84.2	84.3	84.3	84.4	84.4
≥ 1800	65.1	80.1	82.3	83.4	83.9	84.1	84.2	84.3	84.3	84.4	84.5	84.5	84.5	84.5	84.6	84.7
≥ 1600	65.4	80.7	83.0	84.2	84.8	85.0	85.1	85.2	85.2	85.3	85.4	85.4	85.4	85.5	85.5	85.6
≥ 1400	65.7	81.3	83.7	84.9	85.0	85.8	86.0	86.1	86.1	86.2	86.3	86.3	86.3	86.4	86.4	86.5
≥ 1200	65.8	81.9	84.4	85.6	86.4	86.7	86.9	87.0	87.1	87.1	87.2	87.2	87.3	87.3	87.4	87.4
≥ 900	65.9	82.1	84.7	86.0	86.9	87.2	87.4	87.6	87.6	87.7	87.7	87.7	87.8	87.8	87.9	88.0
≥ 800	66.1	82.3	85.4	86.7	87.7	88.1	88.3	88.5	88.5	88.6	88.7	88.7	88.8	88.8	88.9	88.9
≥ 700	66.2	82.8	85.8	87.3	88.4	88.8	89.3	89.5	89.5	89.6	89.7	89.7	89.8	89.8	89.8	89.9
≥ 500	66.4	83.4	86.4	88.2	89.6	90.1	90.6	90.9	90.9	91.0	91.1	91.1	91.2	91.2	91.2	91.3
≥ 400	66.5	83.7	86.9	89.0	90.9	91.5	92.4	92.7	92.8	92.9	93.0	93.0	93.1	93.1	93.2	93.3
≥ 300	66.5	83.8	87.2	89.3	91.5	92.3	93.4	93.9	94.0	94.2	94.3	94.3	94.5	94.5	94.6	94.7
≥ 200	66.5	83.8	87.2	89.6	92.0	93.0	94.7	95.6	95.8	96.2	96.4	96.4	96.6	96.7	96.8	97.0
≥ 100	66.5	83.8	87.2	89.6	92.2	93.3	95.1	96.4	96.7	97.3	97.8	97.8	98.2	98.3	98.6	98.9
≥ 50	66.5	83.8	87.2	89.6	92.2	93.3	95.2	96.5	96.9	97.5	98.0	98.1	98.5	98.7	99.1	99.7
≥ 10	66.5	83.8	87.2	89.6	92.2	93.3	95.2	96.5	96.9	97.5	98.0	98.1	98.5	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTR
STATION NAME

5-70,74-78
PERIOD

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	43.2	57.7	59.9	61.2	61.6	62.0	62.1	62.3	62.3	62.4	62.4	62.4	62.4	62.5	62.5	62.6
≥ 20000	45.1	61.7	64.2	65.6	66.3	66.5	66.7	66.8	66.8	66.9	67.0	67.0	67.0	67.1	67.1	67.2
≥ 18000	45.2	61.8	64.3	65.7	66.4	66.6	66.7	66.9	66.9	67.0	67.1	67.1	67.1	67.1	67.2	67.3
≥ 16000	45.2	61.8	64.3	65.7	66.4	66.6	66.8	66.9	67.0	67.0	67.1	67.1	67.1	67.2	67.3	67.3
≥ 14000	45.6	62.4	64.9	66.4	67.1	67.3	67.4	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.9	68.0
≥ 12000	46.8	64.2	66.8	68.3	69.0	69.2	69.4	69.5	69.6	69.7	69.7	69.7	69.7	69.8	69.8	69.9
≥ 10000	49.1	67.9	70.8	72.4	73.2	73.4	73.6	73.8	73.8	73.9	74.0	74.0	74.0	74.0	74.1	74.2
≥ 9000	49.5	68.4	71.3	72.9	73.7	73.9	74.1	74.3	74.3	74.4	74.5	74.5	74.5	74.6	74.6	74.7
≥ 8000	50.8	70.6	73.7	75.4	76.3	76.5	76.8	76.9	77.0	77.0	77.1	77.1	77.2	77.2	77.3	77.3
≥ 7000	51.5	71.8	74.9	76.7	77.6	77.9	78.1	78.2	78.3	78.4	78.4	78.5	78.5	78.5	78.6	78.7
≥ 6000	52.3	72.9	76.2	78.0	79.0	79.2	79.4	79.6	79.7	79.8	79.8	79.8	79.8	79.9	79.9	80.0
≥ 5000	52.2	74.3	77.6	79.5	80.5	80.7	81.0	81.2	81.2	81.3	81.4	81.4	81.4	81.5	81.5	81.6
≥ 4500	53.6	74.8	78.3	80.2	81.3	81.5	81.7	81.9	82.0	82.0	82.1	82.1	82.1	82.2	82.3	82.3
≥ 4000	54.3	76.2	79.8	81.8	82.9	83.1	83.4	83.6	83.6	83.7	83.8	83.8	83.8	83.9	83.9	84.0
≥ 3500	54.8	76.9	80.6	82.7	83.8	84.1	84.3	84.5	84.6	84.7	84.7	84.8	84.8	84.8	84.9	85.0
≥ 3000	55.2	77.9	81.7	83.9	85.1	85.3	85.6	85.8	85.9	86.0	86.1	86.1	86.1	86.2	86.2	86.3
≥ 2500	55.6	78.7	82.7	84.9	86.2	86.5	86.8	87.0	87.0	87.1	87.2	87.2	87.3	87.3	87.4	87.5
≥ 2000	56.0	79.6	83.7	86.0	87.4	87.7	88.0	88.2	88.3	88.4	88.5	88.5	88.6	88.6	88.6	88.7
≥ 1800	56.1	79.8	84.0	86.3	87.7	88.0	88.3	88.6	88.6	88.7	88.8	88.8	88.8	88.9	88.9	89.0
≥ 1500	56.4	80.5	84.8	87.3	88.7	89.0	89.3	89.6	89.6	89.8	89.8	89.8	89.9	89.9	90.0	90.1
≥ 1200	56.7	81.2	85.6	88.2	89.7	90.1	90.5	90.7	90.8	90.9	91.0	91.0	91.1	91.1	91.2	91.3
≥ 1000	56.9	81.7	86.3	89.0	90.7	91.0	91.5	91.7	91.8	91.9	92.0	92.0	92.1	92.1	92.2	92.3
≥ 900	57.0	82.0	86.6	89.4	91.1	91.5	92.0	92.2	92.3	92.4	92.5	92.5	92.6	92.6	92.7	92.8
≥ 800	57.1	82.3	87.1	90.0	91.8	92.2	92.7	93.0	93.1	93.2	93.3	93.3	93.4	93.4	93.5	93.5
≥ 700	57.2	82.6	87.5	90.5	92.5	93.0	93.6	93.9	94.0	94.1	94.2	94.2	94.3	94.3	94.4	94.5
≥ 600	57.2	82.8	87.8	91.0	93.2	93.7	94.4	94.7	94.8	95.0	95.1	95.1	95.2	95.2	95.3	95.3
≥ 500	57.3	83.0	88.1	91.5	94.0	94.6	95.4	95.8	96.0	96.1	96.2	96.2	96.3	96.4	96.4	96.5
≥ 400	57.3	83.1	88.3	91.8	94.5	95.2	96.2	96.7	96.9	97.1	97.2	97.2	97.3	97.3	97.4	97.5
≥ 300	57.3	83.1	88.4	91.9	94.8	95.6	96.7	97.4	97.6	97.9	98.1	98.1	98.2	98.3	98.4	98.5
≥ 200	57.3	83.1	88.4	92.0	94.9	95.7	96.9	97.7	97.9	98.3	98.6	98.6	98.8	98.8	98.9	99.0
≥ 100	57.3	83.1	88.4	92.0	94.9	95.7	96.9	97.8	98.0	98.4	98.7	98.7	99.0	99.1	99.4	99.8
≥ 0	57.3	83.1	88.4	92.0	94.9	95.7	96.9	97.8	98.0	98.4	98.7	98.7	99.0	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 87623

PART D

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

SKY COVER

66-70

JAN
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	29.2	4.1		8.0	3.0	.9	2.8		6.7	3.2	42.2	5.6	465
	03-05	30.1	4.3		6.7	2.8	1.5	2.2		5.6	2.4	44.5	5.7	465
	06-08	22.0	3.4		8.4	3.4	.9	4.1		10.1	4.7	42.9	6.2	464
	09-11	19.9	3.5		5.2	1.7	3.2	2.4		12.5	3.5	48.2	6.7	463
	12-14	18.8	5.0		6.9	2.2	3.2	1.5		9.1	5.0	48.5	6.6	464
	15-17	20.6	4.9		7.3	3.2	2.2	2.2		8.6	3.7	47.3	6.4	465
	18-20	25.8	5.8		7.7	2.2	1.7	2.8		9.5	3.4	41.1	5.8	465
	21-23	31.6	3.7		8.0	3.0	.9	1.9		9.2	1.3	40.4	5.5	465
TOTALS		24.6	4.3		7.3	2.7	1.6	2.5		8.9	3.4	44.4	6.1	3716

FORM 0-9-5 (OL A)
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

13049
STATION

SHAW AFB SOUTH CAROLINA/SUMTER

66-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	37.2	3.8		9.5	1.4	1.4	4.0		3.1	1.7	37.9	4.9	422
	03-05	34.0	4.7		7.6	2.4	.9	5.0		5.4	1.2	38.8	5.1	423
	06-08	30.3	7.1		6.6	1.9	1.7	2.6		7.1	3.1	39.6	5.4	422
	09-11	31.3	3.8		5.2	3.1	.9	1.2		6.6	5.0	42.9	5.7	422
	12-14	28.1	4.7		6.6	2.4	2.8	2.4		7.3	3.3	42.3	5.7	423
	15-17	24.4	5.9		5.2	3.3	1.9	1.7		7.1	3.8	46.7	6.1	422
	18-20	24.6	5.5		7.8	3.3	1.9	2.8		6.6	3.8	43.6	5.9	422
	21-23	32.0	5.0		10.4	2.1	.5	3.3		6.4	1.7	38.6	5.2	422
TOTALS		30.2	5.1		7.4	2.5	1.5	2.9		6.2	3.0	41.3	5.5	3378

SKY COVER

MAR
MONT

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	39.0	5.0		14.1	3.2	.6	2.6		7.6	1.7	26.2	4.2	462
	03-05	36.6	5.2		8.8	5.0	1.5	3.0		8.0	1.3	30.6	4.6	464
	06-08	27.5	6.2		10.8	4.5	2.4	2.8		9.2	2.2	34.4	5.2	465
	09-11	27.9	4.8		10.8	3.0	1.5	3.7		7.6	2.8	38.0	5.4	463
	12-14	22.8	6.9		9.2	5.4	3.0	3.4		9.7	2.8	36.8	5.6	465
	15-17	26.5	4.9		6.2	6.0	3.7	3.2		10.5	4.3	34.6	5.5	465
	18-20	28.4	7.1		12.7	6.0	3.4	1.9		9.7	2.8	28.0	4.8	465
	21-23	39.6	6.2		10.1	3.2	3.2	4.3		7.3	.9	25.2	4.1	465
TOTALS		31.0	5.8		10.3	4.5	2.4	3.1		8.7	2.4	31.7	4.9	3714

SKY COVER

66-70

APR

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	31.8	7.1		12.0	3.1	2.0	2.2		10.4	4.0	27.3	4.7	450
	03-05	31.6	2.0		8.7	4.2	3.1	3.8		12.0	2.7	31.8	5.2	449
	06-08	24.4	4.0		8.4	3.8	2.7	2.9		11.1	4.7	38.0	5.9	450
	09-11	25.3	6.0		8.4	3.8	2.2	2.0		9.6	5.6	37.1	5.7	450
	12-14	17.6	5.1		9.3	6.7	6.2	2.7		11.8	4.7	36.0	6.0	450
	15-17	13.1	5.3		15.6	6.7	4.7	3.6		11.3	3.6	36.2	6.1	450
	18-20	19.8	7.1		10.2	2.2	3.6	3.6		14.7	3.1	35.8	5.9	450
	21-23	31.1	4.9		12.5	2.0	1.3	4.7		11.0	1.6	30.9	5.0	447
TOTALS		24.3	5.2		10.6	4.1	3.2	3.2		11.5	3.8	34.1	5.6	3596

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	31.7	3.9		10.8	3.7	2.2	1.3		9.1	1.7	35.6	5.1	463
	03-05	26.5	4.3		10.1	4.5	2.2	3.4		7.3	5.4	36.3	5.5	465
	06-08	24.2	5.6		8.2	1.7	2.2	2.6		10.4	4.3	40.8	5.9	463
	09-11	25.2	5.0		7.3	6.3	2.4	3.2		9.3	2.6	38.8	5.7	464
	12-14	14.2	5.6		10.1	5.8	8.4	3.0		14.0	4.5	34.3	6.1	464
	15-17	11.8	4.5		13.3	6.0	6.5	3.7		12.0	4.3	37.8	6.4	465
	18-20	16.8	4.5		8.8	5.4	2.8	3.9		13.1	5.2	39.6	6.4	465
	21-23	26.9	6.2		8.6	5.6	1.9	3.7		10.8	3.0	33.3	5.3	465
TOTALS		22.2	5.0		9.7	4.9	3.6	3.1		10.8	3.9	37.1	5.8	3714

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70
PERIOD

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	29.6	3.8		14.4	3.1	2.2	3.8		13.3	2.9	26.9	4.9	450
	03-05	21.6	5.6		13.1	5.8	3.6	5.8		10.9	2.4	31.0	5.4	449
	06-08	17.1	4.7		10.9	5.6	3.6	3.3		13.8	3.6	37.6	6.2	450
	09-11	17.8	8.7		12.9	6.7	3.8	2.4		13.3	5.1	29.3	5.5	450
	12-14	5.4	6.7		16.5	11.4	10.3	3.1		15.6	5.4	25.7	6.0	448
	15-17	6.7	5.8		16.5	8.2	8.4	3.8		17.6	5.3	27.2	6.2	449
	18-20	12.2	5.6		14.5	4.7	2.7	3.8		16.7	4.5	35.4	6.3	449
	21-23	20.3	6.2		15.6	4.5	3.6	3.1		14.0	2.4	30.3	5.4	449
TOTALS		16.4	5.9		14.3	6.3	4.8	3.6		14.4	4.0	30.4	5.7	3594

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

44-75

JUL
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	19.8	7.3		14.9	5.6	2.8	3.9		17.9	1.7	26.1	5.3	464
	03-05	17.2	4.1		18.8	6.5	3.2	5.8		14.9	1.9	27.6	5.5	464
	06-08	9.8	4.3		15.6	2.6	3.9	4.3		15.8	5.4	38.2	6.6	461
	09-11	11.9	5.0		15.1	5.8	4.3	4.5		16.6	6.7	30.2	6.2	464
	12-14	1.3	4.1		16.9	9.1	8.9	6.5		27.5	4.8	21.0	6.5	462
	15-17	1.5	4.9		18.1	10.3	5.4	4.7		20.4	6.7	28.0	6.6	465
	18-20	5.4	4.5		10.8	4.1	3.2	4.5		19.2	6.7	41.6	7.3	464
	21-23	13.6	5.0		15.7	4.3	3.2	5.0		15.5	2.4	35.3	6.1	464
TOTALS		10.1	4.9		15.7	6.0	4.4	4.9		18.5	4.5	31.0	6.3	3708

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

AUG
MONTH

MONTH	HOU'S (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	20.3	3.2		14.1	7.1	4.1	4.5		13.2	4.1	29.2	5.6	462
	03-05	20.6	4.7		16.6	3.2	4.1	4.7		10.3	3.0	32.7	5.5	465
	06-08	13.0	7.1		11.0	4.8	1.3	3.7		13.4	6.3	39.5	6.5	463
	09-11	16.8	5.0		11.9	5.4	3.4	2.6		16.4	6.0	32.5	6.1	464
	12-14	3.2	3.9		13.5	9.5	7.3	3.7		18.1	8.0	27.8	6.5	464
	15-17	3.2	5.6		15.3	7.7	6.9	5.4		20.0	6.7	29.2	6.6	465
	18-20	8.0	3.9		12.3	2.4	2.6	5.2		21.5	6.5	37.8	7.0	465
	21-23	15.3	4.1		13.8	6.5	2.8	6.2		16.8	3.9	30.4	6.0	465
TOTALS		12.6	4.7		14.2	5.8	4.1	4.5		16.2	5.6	32.4	6.2	3712

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NA.

SKY COVER

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02	35.6	6.5		14.7	4.2	1.6	2.2		9.8	1.6	23.8	4.2	449
	03-05	36.2	5.1		13.6	3.6	1.1	4.7		5.6	2.7	27.6	4.4	450
	06-08	19.2	9.6		11.8	6.5	.9	1.8		12.7	4.5	33.0	5.6	448
	09-11	19.4	7.1		14.9	5.5	4.5	2.9		13.1	4.9	27.6	5.4	449
	12-14	10.5	7.1		13.8	9.1	8.5	5.3		16.3	5.3	24.1	5.8	449
	15-17	10.7	7.8		17.3	9.6	6.4	3.3		17.3	4.2	23.3	5.6	450
	18-20	22.0	7.1		17.6	3.6	4.0	2.0		14.9	6.0	22.9	5.1	450
	21-23	33.8	8.2		16.2	4.4	2.9	3.6		10.7	2.2	18.0	4.0	450
TOTALS		23.4	7.3		15.0	5.8	3.7	3.2		12.6	3.9	25.0	5.0	3595

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

66-70

OCT
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02	43.1	6.0		12.7	4.3	1.1	1.9		9.5	3.0	18.3	3.6	464
	03-05	40.2	6.9		12.3	3.9	1.9	2.6		7.1	2.8	22.2	3.9	463
	06-08	29.7	8.6		10.1	4.1	1.3	3.7		12.1	4.7	25.6	4.8	464
	09-11	28.2	5.4		10.4	2.8	2.6	3.0		13.2	4.3	29.9	5.2	461
	12-14	21.3	6.3		10.1	4.3	5.0	3.7		14.0	5.0	30.4	5.6	464
	15-17	21.9	8.0		13.3	4.3	3.7	2.4		12.7	6.5	27.7	5.3	465
	18-20	32.8	6.0		11.0	4.5	2.2	3.0		10.3	4.7	25.4	4.7	464
	21-23	40.9	5.4		14.4	4.1	2.2	3.4		8.0	2.2	19.4	3.7	464
TOTALS		32.3	6.6		11.8	4.0	2.4	3.0		10.9	4.2	24.9	4.6	3709

SKY COVER

NOV
MONT

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	44.5	7.1		10.7	2.0	1.2	2.9		9.1	1.1	21.2	3.7	449
	03-05	50.2	7.3		8.0	2.7	1.1	2.0		6.2	1.6	20.9	3.3	450
	06-08	35.7	6.7		10.7	4.5	4.0	2.7		10.9	2.7	22.1	4.3	448
	09-11	33.9	3.8		9.6	5.4	1.9	5.1		11.2	3.3	26.1	4.7	448
	12-14	26.9	7.1		9.1	4.2	2.7	4.2		12.9	5.1	27.8	5.2	450
	15-17	30.3	7.8		9.8	2.9	2.4	4.2		9.6	4.9	28.1	4.9	449
	18-20	35.6	8.4		8.4	2.7	1.8	2.9		13.1	2.9	24.2	4.4	450
	21-23	40.5	8.2		11.1	3.1	1.3	2.7		8.0	3.1	21.8	3.9	449
TOTALS		37.2	7.1		9.7	3.4	2.0	3.3		10.1	3.1	24.0	4.3	3593

2

13849	SHAW AFB SOUTH CAROLINA/SUMTER	65-70	DEC
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	39.1	3.6		8.8	2.2	.2	1.4		7.4	2.5	34.1	4.7	555
	03-05	36.6	3.9		9.2	2.9	2.3	3.4		6.1	2.9	32.7	4.8	557
	06-08	28.7	3.8		9.3	2.9	1.8	3.4		9.7	3.8	36.7	5.5	558
	09-11	25.7	5.0		8.6	3.1	2.2	2.7		9.7	5.4	37.6	5.7	556
	12-14	22.3	6.5		12.9	5.2	1.8	3.4		8.6	5.8	33.5	5.5	556
	15-17	21.5	10.4		8.8	3.8	3.2	3.6		11.0	5.6	32.1	5.5	557
	18-20	28.2	8.5		9.0	4.7	2.3	3.2		9.5	3.4	31.1	5.0	556
	21-23	36.2	3.4		10.5	4.0	2.0	2.5		7.2	2.7	31.3	4.7	552
TOTALS		29.8	5.6		9.6	3.6	2.1	3.0		8.7	4.0	33.6	5.2	4447

FORM
JUL 64

FORM 0-9-5 (OL A)
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

13849 SHAW AFB SOUTH CAROLINA/SUMTER 65-70 ALL
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	24.8	4.3		7.3	2.7	1.8	2.5		8.9	3.4	44.4	6.1	3716
FEB		30.2	5.1		7.4	2.5	1.5	2.9		6.2	3.0	41.3	5.5	3378
MAR		31.0	5.8		10.3	4.5	2.4	3.1		8.7	2.4	31.7	4.9	3714
APR		24.3	5.2		10.6	4.1	3.2	3.2		11.5	3.8	34.1	5.6	3596
MAY		22.2	5.0		9.7	4.9	3.6	3.1		10.8	3.9	37.1	5.8	3714
JUN		16.4	5.9		14.3	6.3	4.6	3.6		14.4	4.0	30.4	5.7	3594
JUL		10.1	4.1		15.7	6.0	4.4	4.9		18.5	4.5	31.0	6.3	3708
AUG		12.6	4.7		14.2	5.8	4.1	4.5		16.2	5.6	32.4	6.2	3713
SEP		23.4	7.3		15.0	5.8	3.7	3.2		12.6	3.9	25.0	5.0	3595
OCT		32.3	6.6		11.8	4.0	2.4	3.0		10.9	4.2	24.9	4.6	3709
NOV		37.2	7.1		9.7	3.4	2.0	3.3		10.1	3.1	24.0	4.3	3593
DEC		29.8	5.6		9.6	3.6	2.1	3.0		8.7	4.0	33.6	5.2	4447
TOTALS		24.5	5.6		11.3	4.5	3.0	3.4		11.5	3.8	32.5	5.4	44477

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC
 13849 SHAW AFB SOUTH CAROLINA/SUMTER 46-78
 STATION STATION NAME YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
105						.1	.2						.0
100						3.0	2.1	1.0	.1				.5
95				.1	2.2	12.9	15.3	10.5	2.4	.3			3.7
90			2.4	16.9	42.2	72.3	86.0	82.0	53.8	8.3			15.2
85			9.8	35.0	69.5	90.9	97.5	94.5	75.5	31.5	6.2	.3	30.5
80	.7	1.3	22.6	55.3	86.1	97.5	99.6	98.8	89.4	57.8	19.9	5.2	43.0
75	5.7	7.1	38.2	73.4	95.4	99.5	99.9	100.0	96.4	77.2	39.5	14.2	54.0
70	14.0	18.3	54.5	89.1	98.6	99.9	100.0		99.2	91.4	58.8	27.9	64.0
65	26.4	32.2	71.8	95.9	99.5	100.0			99.8	96.7	74.2	42.7	73.3
60	39.6	48.9	85.5	99.2	100.0				100.0	99.4	85.8	59.8	80.9
55	55.2	64.5	93.0	99.8						99.9	95.0	76.0	87.5
50	68.5	78.4	97.1	100.0						100.0	98.4	89.2	92.6
45	82.0	88.7	99.4								99.7	96.0	96.3
40	91.0	95.4	99.9								99.9	99.1	98.5
35	96.7	99.1									100.0	99.8	99.6
30	99.3	99.9											99.9
25	100.0	100.0											100.0
MEAN	55.8	58.8	65.7	75.7	82.4	87.7	89.7	88.8	83.8	75.2	65.8	57.5	73.9
S.D.	11.742	10.898	10.511	8.659	7.071	6.224	4.923	5.092	6.930	7.578	9.452	10.387	14.929
TOTAL OBS	991	904	992	960	991	960	992	989	959	992	959	992	11681

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

13849

SHAW AFB SOUTH CAROLINA/SUMTER

46-78

STATION

STATION NAME

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
80						.3	.2						.0
75					.4	6.6	17.0	13.4	1.9	.2			3.3
70				.5	7.3	49.4	83.9	75.5	34.9	2.3	.2		21.3
65			.9	6.3	42.7	83.0	97.6	95.0	63.3	12.1	1.9	.4	33.8
60	1.2	1.3	7.4	27.1	69.0	96.1	100.0	99.7	84.2	32.7	7.7	2.3	44.3
55	5.8	6.6	17.6	47.8	86.1	99.5		100.0	94.1	54.1	16.9	7.6	53.2
50	12.6	14.6	32.4	69.3	96.5	100.0			98.9	73.8	33.5	16.1	62.5
45	24.0	25.0	50.1	85.7	99.4				99.9	87.5	47.9	26.7	70.7
40	38.2	42.5	69.7	96.4	100.0				100.0	95.9	69.8	41.5	79.6
35	56.3	65.7	87.2	99.6						99.0	86.1	61.7	88.0
30	64.3	73.5	92.0	99.8						99.6	91.0	69.4	90.8
25	75.8	82.1	95.8	99.9						100.0	95.8	81.5	94.3
20	89.9	93.1	99.6	100.0							99.3	93.6	97.9
15	96.7	98.2	100.0								99.6	99.1	99.5
10	99.3	99.7									100.0	99.8	99.9
5	99.9	99.9										99.9	100.0
	100.0	100.0										100.0	100.0
MEAN	37.0	38.4	44.9	53.5	62.1	68.7	71.9	71.2	65.8	54.9	44.9	38.4	54.3
S D	10.203	9.646	9.255	8.522	6.104	4.521	3.025	3.399	6.045	8.406	9.558	10.020	15.023
TOTAL OBS.	991	904	992	960	991	960	992	989	959	992	959	992	11681

USAFETAC FORM 0-21-5(OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

AIR WEATHER SERVICE/MAC

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER

STATION NAME

46-78

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
90						1.0	.8	.3					.2
85					.6	9.6	15.0	10.4	1.0	.3			3.1
80				.6	9.4	42.4	69.0	61.9	26.1	1.0			17.7
75			.7	9.0	41.8	79.4	95.5	92.2	59.7	9.0	.9	.1	32.5
70	.2	.8	7.0	31.0	72.0	96.4	99.8	99.3	81.4	30.6	5.5	1.0	44.0
65	4.6	5.6	19.0	52.6	88.5	99.2	100.0	100.0	93.5	55.7	16.1	5.2	53.6
60	13.1	14.8	33.7	72.5	97.3	99.9			98.3	78.8	35.2	14.2	63.4
55	23.1	27.7	53.0	90.1	99.7	100.0			99.9	91.7	54.2	25.2	72.2
50	38.5	45.2	71.9	97.5	100.0				100.0	97.6	74.0	42.5	80.7
45	56.1	67.1	88.1	99.6						99.6	88.7	61.6	88.5
40	73.9	83.2	95.2	99.9						100.0	97.4	82.1	94.3
35	88.4	93.5	99.2	100.0							99.2	93.3	97.8
30	95.6	98.3	100.0								99.8	98.6	99.3
25	99.2	99.6									100.0	99.7	99.9
20	99.8	100.0										99.9	100.0
15	100.0											100.0	100.0
MEAN	46.6	48.4	55.5	64.0	72.4	78.4	81.0	80.2	75.0	65.2	55.5	48.2	64.3
S D	10.313	9.547	9.227	7.681	5.931	4.831	3.508	3.767	5.990	7.254	8.806	9.545	14.611
TOTAL OBS.	991	904	992	960	991	960	992	989	959	992	959	992	11681

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

13849 SHAW AFB SOUTH CAROLINA/SUMTER 46-18

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46												78	
47	77	74	76	88	94	102	99	96	97	88	72	72	102
48	77	81	87	89	94	101	98	99	92	80	83	76	101
49	81	80	86	85	93	97	100	95	94	86	78	77	100
50	80	79	85	88	94	102	96	96	92	85	85	72	102
51	74	80	84	89	95	100	97	98	93	94	78	78	100
52	81	75	81	88	94	103	103	96	94	88	80	73	103
53	73	73	81	89	99	99	102	100	93	87*	81	74	102
54	74	77	85	89	91	102	101	102	101	90	75	76	102
55	77	77	87	89	94	94	97	96	94	87	83	80	97
56	70	82	84	87	95	100	98	99	97	87	81	79	100
57	78	81	78	90	91	96	93	98	98	79	81	72	90
58	63	76	74	90	90	100	96	97	96	87	86	70	100
59	75	77	82	89	95	104	94	97	93	88	81	71	104
60	75	70	78	92	96	97	98	95	94	87	79	72	98
61	68	76	81	85	88	94	96	96	94	88	88	73	90
62	77	82	81	90	96	90	96	92	93	89	77	70	96
63	72	68	87	90	93	103	96	98	93	86	75	64	103
64	67	64	80	89	97	98	91	94	90	84	82	75	98
65	76	79	80	89	90	93	93	94	89	84	76	72	94
66	* 75	68	83	88	87	94	100*	93	94	86	80	77	100
67	76	75	86	93*	94	94	92	94	88	88	77	79	* 94
68	73	65	84	92	88	94	97	101*	94	91	82	72	101
69	72	72	81	86	91	96	97	93	90	87	76	73	97
70	79	76	82	95	97	106	101	101	95	87	78	78	106
71	72	77	79	89	89	94	95	93	92	88	83	82	95
72	76	81	82	92	86	95	95	94	93	87	83	78	95
73	72	72	85	83	91	95	97*	96	94	92	84	77	97
74	79	79	90	90	92	97	93	92	90	82	83	71	97
75	81	79	80	90	91	91	93	101	93	83	80	74	101
MEAN													
S D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OIA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

2

MAXIMUM TEMPERATURE

~~13849~~ ~~SHAW AFB SOUTH CAROLINA/SUMTER~~ ~~46-78~~
STATION STATION NAME

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 DBS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SER /ICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

13849 SHAW AFB SOUTH CAROLINA/SUMMER 46-78

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46												23	
47	26	17	25	46	47	54	60	67	44	44	31	26	17
48	16	22	30	45	50	58	67	62	54	37	39	21	16
49	29	33	27	35	53	60	67	65	48	51	31	29	27
50	32	31	29	32	51	59	65	64	45	50	16	22	16
51	24	19	31	42	52	64	61	65	57	49	25	20	19
52	23	29	32	39	49	65	64	60	57	35	34	25	23
53	30	31	35	37	59	59	64	63	51	44*	30	20	20
54	22	28	27	45	49	55	67	68	58	38	28	24	22
55	27	19	22	43	54	59	65	68	62	42	24	21	19
56	24	33	32	39	44	55	69	63	51	44	25	30	25
57	22	31	30	43	44	63	68	60	52	33	30	14	14
58	18	9	32	42	47	61	64	65	52	41	37	15	9
59	19	20	35	39	52	62	66	69	53	41	23	28	15
60	20	26	20	40	46	60	65	66	58	41	32	20	20
61	17	25	34	37	47	58	66	62	54	35	28	20	17
62	18	25	30	34	52	62	63	64	47	30	31	8	6
63	16	18	33	40	40	61	60	63	49	34	29	16	15
64	17	25	28	39	51	63	62	62	52	38	28	21	17
65	24	26	27	40	55	59	65	58	57	32	32	24	24
66	* 10	21	27	38	43	50	61*	60	53	42	30	22	* 10
67	25	15	26	44*	46	55	62	63	45	40	26	24	15
68	20	20	26	41	47	58	64	59*	57	37	30	21	20
69	19	25	25	40	47	62	70	60	54	34	22	25	19
70	8	19	29	42	50	62	67	67	50	36	17	23	8
71	17	20	29	38	46	60	67	69	61	48	32	20	17
72	16	25	33	34	52	53	66	67	55	33	28	23	16
73	23	14	34	37	51	65	72*	68	65	43	30	21	14
74	30	22	35	30	52	60	62	66	49	32	27	23	22
75	25	28	24	37	56	64	66	67	53	37	30	19	19
MEAN													
S.D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

2

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

YEARS

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

NOTES * (BASED ON LESS THAN FULL MONTHS)
USAF ETAC FORM 0-88-5 (OLA) # (AT LEAST ONE DAY LESS THAN 24 HRS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER
STATION STATION NAME

66-70, 74-78
YEARS

JAN
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
68/ 67		.4		.1	.2													7	7					
66/ 65		.3	.1															4	4	4	3			
64/ 63		1.5																14	14	6	7			
62/ 61	.1	.6	.5	.1														13	13	15	10			
60/ 59	.6	1.6	.5	.3	.1	.1												31	31	24	22			
58/ 57	.9	1.3	.2	.3		.1	.1											27	27	24	17			
56/ 55	1.1	1.0	.4	.1														24	24	24	22			
54/ 53	.3	2.0	.6	.1	.3	.3	.1											36	36	19	21			
52/ 51	1.8	1.7	1.0			.1												43	43	49	41			
50/ 42	1.1	1.3	.5	.4	.3	.2	.1											37	37	31	25			
48/ 47	.8	2.8	1.4	.3	.5	.4												58	58	27	30			
46/ 45	.2	1.6	1.1	.3	.1													31	31	37	24			
44/ 43	.2	2.3	.5	1.2	.8	.1												47	47	44	32			
42/ 41	.5	1.9	2.0	1.1	.4													56	56	42	30			
40/ 39	.3	2.6	1.3	1.3	.8	.2												60	60	41	41			
38/ 37	.8	1.3	2.8	1.8	.3													65	65	61	33			
36/ 35	.1	1.1	2.0	2.0	.4													53	53	46	31			
34/ 33		1.2	2.9	1.7	.3													57	57	50	38			
32/ 31	.2	3.0	2.4	1.9														70	70	67	18			
30/ 29	.3	1.9	2.4	1.1	.2													55	55	78	44			
28/ 27	.3	2.3	2.2	.9	.1													53	53	65	58			
26/ 25	.3	.9	1.4	.6														30	30	61	56			
24/ 23		1.1	.4	.2														16	16	34	45			
22/ 21		.5	.9	.1														14	14	30	41			
20/ 19		.8	.6															13	13	15	53			
18/ 17		.1	.6															7	7	16	31			
16/ 15		.2	.2															4	4	6	35			
14/ 13			.2															2	2	7	39			
12/ 11																				4	21			
10/ 9																					14			
8/ 7																					14			
6/ 5																					5			
4/ 3																					10			
2/ 1																					6			
Element (X)	Σx^2		Σx		\bar{x}		s_x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-2/-3																					4			
-4/-5																					4			
-6/-7																					2			
TOTAL	10.0	37.4	29.4	16.2	5.0	1.6	.3												927		927			
																		927		927				
Element (X)	Z _X ²	Z _X	\bar{X}	s _x	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	5303172	68044	73.4	18.255	927	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93												
Dry Bulb	1630513	37431	40.4	11.341	927		26.5	.7				93												
Wet Bulb	1422778	34616	37.3	11.855	927		38.4					93												
Dew Point	1163493	29609	31.9	15.335	927	1.0	50.2					93												

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER 66-70,74-78

JAN
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
68/ 67		.3																3	3	1				
66/ 65		.2		.2														4	4	2	3			
64/ 63	.6	1.1																16	16	10	9			
62/ 61	.3	.6	.4	.2														15	15	13	11			
60/ 59	.8	.6	.3	.1		.3												20	20	16	15			
58/ 57	.8	.6	.3	.5	.1													22	22	19	15			
56/ 55	1.0	1.2	.1	.1														22	22	23	23			
54/ 53	.6	2.3	.6															33	33	19	15			
52/ 51	.5	1.9	.3	.2		.1												29	29	37	31			
50/ 49	1.3	1.8	.4	.2		.3												38	38	38	34			
48/ 47	1.1	1.8	.5	.2	.2													36	36	31	34			
46/ 45	.4	2.8	.8	.5	.5													47	47	24	24			
44/ 43	.3	1.9	1.3	.6	.1													40	40	38	24			
42/ 41	.6	2.6	2.7	.9	.1													64	64	39	30			
40/ 39	.6	1.9	1.7	1.4	.4													57	57	55	37			
38/ 37	.5	1.6	2.7	1.0	.8													61	61	50	34			
36/ 35	.3	1.2	1.6	1.2														40	40	45	39			
34/ 33		1.1	3.7	1.2	.2													57	57	51	27			
32/ 31	.1	3.3	2.5	1.6														70	70	35	20			
30/ 29	.8	3.3	2.3	.8														66	66	74	47			
28/ 27	.3	2.9	2.9	.4														61	61	76	65			
26/ 25		2.2	2.2	.6														46	46	61	57			
24/ 23		1.8	.5	.4														26	26	43	37			
22/ 21	.1	.4	1.6															20	20	44	50			
20/ 19		.5	.4															9	9	18	42			
18/ 17		.5	.4															9	9	17	41			
16/ 15		.4	.3															7	7	10	41			
14/ 13		.2	.3															5	5	9	24			
12/ 11			.3															3	3	3	26			
10/ 9		.1																1	1	5	17			
8/ 7																				1	13			
6/ 5																					12			
4/ 3																					14			
2/ 1																					3			
Element (X)	Σ x ²		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

13849
STATIC

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78

JAN
MONTH

PAGE 2

0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

JAN
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
68/ 67		.1	.3															4	4	1															
66/ 65	.1	.1																2	2	1	2														
64/ 63	.1	1.0	.1															11	11	6	3														
62/ 61	1.3	.8	.1															20	20	23	22														
60/ 59	.4	.6	.1	.2	.1	.1												15	15	10	12														
58/ 57	1.7	.6	.2	.1														25	25	26	22														
56/ 55	.9	1.3	.4															24	24	13	17														
54/ 53	.3	1.7	.5	.3														27	27	23	17														
52/ 51	.6	1.1	.9	.1														25	25	25	24														
50/ 49	1.3	1.7	.4	.2	.1													35	35	30	20														
48/ 47	.4	1.6	.4	.2	.1	.3												29	29	37	32														
46/ 45	1.3	1.7	.5	.2	.1													36	36	28	41														
44/ 43	1.1	2.7	.5	.3														43	43	33	24														
42/ 41	.4	3.8	1.7	.8														62	62	50	34														
40/ 39	.6	2.3	2.4	.5	.1													55	55	44	32														
38/ 37	.5	1.3	2.5	.4	.6													50	50	44	36														
36/ 35	.2	1.6	3.2	1.1	.2													59	59	37	27														
34/ 33	.1	2.0	3.8	.4														59	59	62	21														
32/ 31	.4	3.6	2.4	1.3														71	71	61	33														
30/ 29	.6	3.1	2.5	1.1														68	68	82	65														
28/ 27	.1	3.0	2.3	.4														54	54	48	49														
26/ 25	.2	2.6	2.0	.1														46	46	76	52														
24/ 23	.1	1.6	1.4	.1														30	30	52	43														
22/ 21		1.0	1.8	.1														27	27	33	49														
20/ 19	.1	.5	1.7															22	22	23	35														
18/ 17		.3																3	3	21	46														
16/ 15		.6	.3															9	9	14	40														
14/ 13		.8	.3															10	10	6	29														
12/ 11		.3	.1															4	4	10	24														
10/ 9		.4																4	4	6	22														
8/ 7																					9														
6/ 5																						12													
4/ 3																						9													
2/ 1																						8													
Element (X)	Σ X ²			Σ X			X̄			s _x			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC
JUL 64

PSYCHROMETRIC SUMMARY

JAN
MONTH

PAGE 2

6600-0800

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/30MTER

66-70, 74-76

YEARS

JAN
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
76/ 75					.1													1	1						
70/ 69		.1	.2	.4	.1	.1	.1		.1									11	11						
68/ 67			.1	.3	.3	.3	.1											11	11		2				
66/ 65	.1	.9	.2	.2	.4													17	17		4				
64/ 63	.6	1.1	.6	1.0		.1												32	32	19	13				
62/ 61	1.1	1.0	.2	.4	.1			.1										27	27	25	25				
60/ 59	.4	1.1	.4	.3	.1			.1	.1									24	24	29	18				
58/ 57	.6	.5	.6	.2		.1												20	20	34	24				
56/ 55	.1	1.2	.4	.2		.1	.4											23	23	14	20				
54/ 53	.5	1.2	.8	.1	.4	.5	.1											34	34	30	24				
52/ 51	.4	1.9	.4	.3	.5	.4	.4											42	42	23	29				
50/ 49	.8	.6	.6	.4	.3	.5	.2	.1										34	34	30	36				
48/ 47	.5	1.5	1.0	1.2	.5	1.0	.2											55	55	21	21				
46/ 45	.5	1.7	1.2	.9	.5	.5	.1											51	51	29	20				
44/ 43	.4	1.5	1.6	1.1	1.4	.8	.1											64	64	57	18				
42/ 41	.5	.8	1.6	1.0	1.8	.6												59	59	46	38				
40/ 39	.2	1.3	1.7	1.8	1.1	.9												65	65	55	21				
38/ 37	.5	1.2	1.8	1.8	1.1	.1												61	61	57	31				
36/ 35	.2	2.3	2.7	1.4	1.2													72	72	67	42				
34/ 33	.1	1.9	1.8	2.0	1.2													66	66	72	36				
32/ 31	.2	1.4	1.0	1.8	.3													44	44	76	51				
30/ 29		1.0	1.4	.9	.3													33	33	59	35				
28/ 27		.8	1.0	1.2														27	27	49	54				
26/ 25		.2	.8	1.1	.1													20	20	47	56				
24/ 23		.3	.6	.5														14	14	17	37				
22/ 21			.3	.3														6	6	24	35				
20/ 19		.1	.4															5	5	14	42				
18/ 17		.1	.2															3	3	8	31				
16/ 15			.5															5	5	7	36				
14/ 13			.3															3	3	4	35				
12/ 11		.1																1	1	4	19				
10/ 9																				3	15				
8/ 7																					15				
6/ 5																					7				
Element (X)	Σx ²		Σx		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OLA) JUL 64
USAFETAC
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

13849

SHAW AFB SOUTH CAROLINA/SUMMER

66-70, 74-78

143

STATION

STATICK NAME

YEARS

MONTH

PAGE 2

0900-1100

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER 06-70, 74-78

JAN

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
82/ 81									.1									1	1																
80/ 79							.1		.2									3	3																
78/ 77						.1	.1	.1	.1									4	4																
76/ 75					.2	.2	.1	.3	.2				.1					11	11																
74/ 73				.2	.5	.3	.5	.3		.1	.2		.1					22	22																
72/ 71			.2	.4	.3	.4	.4	.6				.1						24	24																
70/ 69			.1	.3	.9	.4	.4	.2	.1									23	23	1															
68/ 67		.3	.2	.2	.4	.4	.1		.1	.1	.1							19	19	11															
66/ 65	.1		.5	.4	.3	.4	.4	.1	.1	.1								24	24	17	6														
64/ 63	.3	1.0	.4	.3	.4	.1	.1	.2	.1	.2	.1							31	31	20	14														
62/ 61	.3	.5	.2	.4	.3	.1	.2	.4	.3	.2	.1							30	30	40	18														
60/ 59	.5	.8	.2	.2	.1	.4		.4	.2	.2								29	29	42	25														
58/ 57	.1	.6	.3	.1	.4	.3	.5	.9	.2	.3								36	36	23	19														
56/ 55	.1	.9	.2	.4	.6	.2	.9	.8	.5	.1								44	44	25	32														
54/ 53	.2	1.4	.3	.6	.3	.4	.8	.6	.2									46	46	26	22														
52/ 51	.2	.9	.4	.2	.9	.6	.9	1.2	.2									51	51	25	38														
50/ 49	.1	1.0	.4	1.0	.4	.8	1.7	.9										58	58	39	29														
48/ 47	.8	1.0	1.2	.3	.3	1.2	1.1	.5										59	59	43	28														
46/ 45	.1	1.1	.8	.4	1.0	1.5	1.9	.1										64	64	37	24														
44/ 43	.1	.8	1.1	.9	1.7	2.3	1.0											72	72	62	20														
42/ 41		.4	.2	.4	1.4	1.4	.6											42	42	44	31														
40/ 39	.4	.4	.9	.5	1.4	1.4	.1											48	48	58	23														
38/ 37	.3	1.1	1.1	.4	1.0	.9												44	44	68	27														
36/ 35	.3	2.3	.4	.2	1.0	1.0												48	48	86	36														
34/ 33	.1	1.0	.4	.3	1.3	.3												32	32	82	32														
32/ 31		.3	.1		1.5	.1												19	19	52	36														
30/ 29		.9	.2	.4	.2													16	16	30	40														
28/ 27		.3	.1	.5	.8													16	16	33	43														
26/ 25				.3	.1													4	4	20	36														
24/ 23		.3		.2														5	5	21	35														
22/ 21				.2														2	2	10	48														
20/ 19			.1															1	1	8	42														
18/ 17			.1															1	1	3	34														
16/ 15			.1															1	1	2	34														
Element (X)	Σ X ²					Σ X					Σ					Σ ²					No. Obs.					Mean No. of Hours with Temperature									
Rel. Hum.																										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

YEARS

1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 1 1500-1700
HOURS (L - S - T -)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

1500-1700
HOURS (L. S. T.)

[illegible]0-26.5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
FORM 4-64

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

YEARS

JAN
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73						.1		.1										2	2		
72/ 71				.1	.1	.3												5	5		
70/ 69			.2		.2	.2												6	6		
68/ 67		.2	.4	.4	.4	.5	.2											21	21		
66/ 65	.2	.4	.6	.4	.3	.2	.1			.1	.1							24	24	11	3
64/ 63	.3	.6	.6	.5	.5	.3	.2			.1								31	31	15	15
62/ 61	.4	.9	.6	.3	.4	.1	.3		.3									32	32	21	12
60/ 59	.3	1.2	.2	.8	.2	.2	.1	.4	.3	.1								33	33	31	18
58/ 57	.2	1.1	.8	.3	.3	.3	.2	.2	.1									33	33	35	26
56/ 55	.2	1.4	.8	.2	.5	.1	.3	.1										34	34	33	21
54/ 53	.1	1.6	1.0	.3	1.1	.2	.6	.1										47	47	29	26
52/ 51	.2	1.0	1.1	.5	.6	.2	.5	.1										40	40	32	36
50/ 49	.5	1.5	1.4	1.1	.1	.6	.6	.2										57	57	40	31
48/ 47		.6	1.1	.6	.2	1.0	.6											39	39	32	32
46/ 45	.2	.9	.5		1.1	1.5	.4											43	43	50	25
44/ 43	.3	1.0	1.0	1.6	2.6	1.3	.2											74	74	38	24
42/ 41		.8	1.1	1.8	2.7	.9	.2											69	69	30	33
40/ 39	.3	1.5	.8	1.8	1.5	1.0	.1											65	65	42	28
38/ 37	.6	1.6	.8	2.2	1.3	.9												68	68	88	39
36/ 35	.2	.6	.3	2.5	1.4	.3												50	50	83	36
34/ 33		1.4	.5	1.7	1.3	.1												47	47	59	19
32/ 31	.3	.9	.8	1.5	.8	.1												40	40	62	38
30/ 29		.9		1.1	.5													23	23	69	43
28/ 27	.2	1.1	.9	.6														26	26	43	42
26/ 25		.1	.1	.8														9	9	33	47
24/ 23		.1		.6														7	7	28	58
22/ 21			.2	.1														3	3	10	47
20/ 19			.2															2	2	6	42
18/ 17																				8	29
16/ 15																				2	33
14/ 13																					30
12/ 11																					22
10/ 9																					28
8/ 7																					9
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

1800-2000
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

06-70, 74-78
YEARS

JAN
MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
70/ 69			.1		.1													2	2								
68/ 67		.2	.4		.4													10	10								
66/ 65		1.0	.2															11	11	7	3						
64/ 63	.3	1.0	.2	.5		.1												20	20	14	14						
62/ 61	.1	1.0	.4	.1	.1	.1	.1											18	18	9	9						
60/ 59	.6	2.5	.8	.1	.4	.1			.1									43	43	34	19						
58/ 57	.3	.6	1.1	.2	.2	.2	.1	.1										27	27	25	26						
56/ 55	.3	.5	.5	.2	.2	.1		.3										21	21	18	19						
54/ 53	.1	1.7	1.1	.3	.2	.3	.1											36	36	27	17						
52/ 51	.9	1.9	1.3	.3	.4	.2	.2											49	49	35	37						
50/ 49	.9	1.5	1.2	1.2	.2	.1	.3											50	50	45	32						
48/ 47	.3	1.4	1.6	.6	.4	.3	.2											46	46	31	27						
46/ 45	.4	1.0	1.2	.5	1.2	.3												43	43	39	25						
44/ 43	.4	1.6	.4	.5	1.2	.5												44	44	46	31						
42/ 41	.2	1.6	.8	1.0	1.5	.5												52	52	37	28						
40/ 39	.4	1.6	1.3	2.4	1.1	.2												65	65	34	41						
38/ 37	.6	2.0	1.9	2.3	1.0	.4												77	77	64	37						
36/ 35		.8	1.4	2.2	.3													43	43	59	29						
34/ 33		1.5	2.5	1.7	.9	.1												62	62	65	36						
32/ 31	.2	2.3	2.8	2.7	.3													77	77	67	21						
30/ 29	.1	1.4	1.6	1.6	.2													46	46	72	43						
28/ 27	.3	1.2	1.3	.3	.1													30	30	63	51						
26/ 25		.1	2.0	.5														25	25	55	45						
24/ 23	.1	.3	.6	.3														13	13	30	61						
22/ 21		.2	.3	.3														8	8	23	54						
20/ 19		.1	.4	.2														7	7	12	44						
18/ 17			.4															4	4	6	33						
16/ 15		.1																1	1	8	32						
14/ 13																				3	29						
12/ 11																					32						
10/ 9																					18						
8/ 7																					4						
6/ 5																					3						
4/ 3																					14						
Element (X)	Σ X ²				Σ X				X̄				s _x				No. Obs.				Mean No. of Hours with Temperature						
Ref. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
2/ 1																					7	
0/ -1																					3	
-2/ -3																					2	
-4/ -5																					3	
-6/ -7																					1	
TOTAL	6.8	29.1	28.0	20.2	10.3	3.8	1.1	.4	.1										930		930	
																		930		930		
Element (X)	Z _X ²	Z _X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Rel. Hum.	4839443	64575	69.4	19.566	930																	
Dry Bulb	1782949	39341	42.3	11.306	930								21.1	1.2				93				
Wet Bulb	1505825	35809	38.5	11.693	930								33.9					93				
Dew Point	1184496	29916	32.2	15.464	930							.9	50.0					93				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JAN
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
82/ 81						.0	.0		.0	.0								2	2						
80/ 79						.0	.0		.0									5	5						
78/ 77						.0	.0	.1	.0									11	11						
76/ 75					.1	.1	.1	.1	.1	.0			.0					29	29						
74/ 73				.1	.1	.1	.1	.1	.1	.0	.0	.0	.1					50	50						
72/ 71			.0	.1	.1	.1	.1	.2	.0	.0		.0	.0					54	54						
70/ 69		.0	.1	.1	.2	.1	.1	.1	.1	.0	.0	.0						64	64	1					
68/ 67		.2	.2	.2	.3	.2	.1	.1	.1	.0	.0							98	98	24					
66/ 65	.1	.4	.2	.3	.1	.1	.1	.1	.0	.0	.0							109	109	67	28				
64/ 63	.4	.9	.3	.4	.2	.1	.1	.0	.1	.1	.1							189	189	120	93				
62/ 61	.5	.0	.4	.3	.1	.0	.2	.1	.1	.1	.0							197	197	168	117				
60/ 59	.5	1.2	.4	.3	.1	.3	.0	.2	.1	.1								238	238	238	150				
58/ 57	.6	.7	.5	.3	.2	.2	.1	.2	.1	.1								226	226	223	170				
56/ 55	.5	1.1	.4	.3	.3	.1	.3	.2	.2	.0								249	249	176	185				
54/ 53	.3	1.6	.7	.3	.3	.3	.3	.3	.1									313	313	199	174				
52/ 51	.6	1.3	.7	.3	.3	.3	.4	.3	.1									324	324	254	260				
50/ 49	.8	1.3	.7	.6	.2	.4	.6	.3										361	361	312	252				
48/ 47	.5	1.5	1.0	.5	.4	.7	.5	.1										387	387	253	224				
46/ 45	.4	1.4	.8	.4	.6	.6	.5	.1										366	366	285	217				
44/ 43	.4	1.5	.9	.8	1.1	.8	.3	.0										445	445	362	191				
42/ 41	.3	1.5	1.4	.9	1.1	.6	.2											446	446	334	245				
40/ 39	.4	1.7	1.3	1.3	.9	.5	.1											470	470	421	256				
38/ 37	.5	1.3	1.8	1.3	.9	.4												462	462	502	278				
36/ 35	.2	1.3	1.5	1.3	.6	.3												397	397	493	270				
34/ 33	.1	1.4	2.0	1.2	.8	.1												411	411	509	236				
32/ 31	.2	1.9	1.5	1.4	.4	.1												406	406	490	249				
30/ 29	.2	1.6	1.3	.9	.2	.0												319	319	495	344				
28/ 27	.2	1.5	1.3	.6	.2													279	279	408	401				
26/ 25	.1	.8	1.1	.6	.0													184	184	381	382				
24/ 23	.0	.7	.5	.3														116	116	232	352				
22/ 21	.0	.3	.6	.1														80	80	181	382				
20/ 19	.0	.3	.5	.0														59	59	103	344				
18/ 17		.1	.2															27	27	82	282				
16/ 15		.2	.2															27	27	49	291				
Element (X)	Σ X ²		Σ X		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JAN
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
14/ 13		.1	.1															20	20	31	274	
12/ 11		.1	.1															8	8	21	187	
10/ 9		.1																5	5	14	151	
8/ 7																				5	97	
6/ 5																					90	
4/ 3																					78	
2/ 1																					53	
0/ -1																					45	
-2/ -3																					31	
-4/ -5																					35	
-6/ -7																					17	
-8/ -9																					2	
TOTAL	7.8	28.8	22.8	15.1	9.9	6.7	4.4	2.5	1.2	.5	.1	.1	.1					7433	7433	7433	7433	

FORM 0-26-5 (OL A) JUL 64
SAFETAC
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point				
68/ 67		.4	.1	.5														8	8						
66/ 65		.1		.1														2	2		3				3
64/ 63		.7	.4	.6														14	14		5				
62/ 61		1.2	1.2	.2	.5													26	26		9				6
60/ 59	.1	1.3	1.2	.5	.4		.2	.5										35	35		19				14
58/ 57	.1	.9	.7	.2	.4	.5	.1	.1	.1									27	27		29				18
56/ 55	.1	.8	.1	.5	.7		.1											20	20		20				18
54/ 53	.2	.7	.5	.9	.5	.8	.1											32	32		19				23
52/ 51	.2	.6	1.2	.2	.5	.5												27	27		13				15
50/ 49		.7	.7	.7	.7	.6												36	36		23				16
48/ 47	.1	.7	.9	1.1	.7	.5												34	34		38				9
46/ 45	.5	1.8	1.1	1.1	1.5	.4												53	53		22				16
44/ 43		2.1	1.4	2.0	1.7	.8												68	69		49				36
42/ 41	.1	2.5	1.8	2.6	2.0	.2												78	78		50				25
40/ 39	.1	1.4	1.9	2.6	1.9	.2												69	69		62				39
38/ 37	.4	2.6	1.8	3.4	1.4	.4												84	84		62				38
36/ 35	.7	.9	1.7	1.4	.9													48	48		86				43
34/ 33		1.1	1.7	1.2	.8	.2												42	42		76				37
32/ 31	.2	1.7	1.9	1.4	.6													49	49		62				44
30/ 29	.1	1.1	1.2	1.5	.2													35	35		53				67
28/ 27	.5	.6	1.2	1.1														28	28		45				53
26/ 25		.2	.9	.5														14	14		36				54
24/ 23		.2	.6	.2														9	9		31				44
22/ 21		.2	.2	.1														5	5		18				37
20/ 19			.1															1	1		9				40
18/ 17			.1															1	1		4				36
16/ 15																					2				20
14/ 13																									19
12/ 11																									22
10/ 9																									14
8/ 7																									18
6/ 5																									9
4/ 3																									3
2/ 1																									4
Element (X)	$\Sigma X'$		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≤ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

REMOVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM

0-26.5 (OL A)

NOV 64

SAFETAC

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

FEB

PAGE 1

0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
70/ 69		.1																1	1					
68/ 67		.2																2	2	1	1			
66/ 65	.1	.1	.4	.1														6	6	3	3			
64/ 63		.6	.2	.5														11	11	5	3			
62/ 61	.1	.7	.7	.4														16	16	5	4			
60/ 59	.4	1.4	.9	.5	.2													29	29	19	9			
58/ 57	.4	.8	.8	.4		.2	.1											23	23	23	20			
56/ 55	.4	1.5	.2	.2	.1	.5	.2											27	27	25	18			
54/ 53		.9	.8	.4	.1	.2												21	21	18	19			
52/ 51		.2	.7	1.3	.2	.1												22	22	16	22			
50/ 49	.1	.6	.5	1.1	.4	.4	.2											27	27	10	9			
48/ 47	.1	1.5	.5	1.1	1.3	.4												41	41	21	11			
46/ 45	.4	2.2	.8	.8	.8													43	43	38	25			
44/ 43	.4	2.1	1.2	1.3	.8	.1												50	50	41	21			
42/ 41		2.6	1.5	1.5	.9	.2												58	58	48	18			
40/ 39	.2	2.0	2.4	2.4	1.1													63	68	64	47			
38/ 37	.1	3.5	2.7	3.1	.8	.2												89	89	44	33			
36/ 35	.4	1.7	2.4	2.1	.6	.1												61	61	78	65			
34/ 33	.4	1.7	2.6	2.0	.6													61	61	62	43			
32/ 31	.6	1.2	3.4	1.5	.1													58	58	75	50			
30/ 29	.2	.7	2.5	.7	.6													40	40	59	59			
28/ 27	.6	.9	1.1	1.4														34	34	68	42			
26/ 25		.5	2.0	.5														25	25	40	44			
24/ 23	.1	.4	1.7	.1														19	19	26	48			
22/ 21		.4	.2	.2														7	7	35	46			
20/ 19			.4															3	3	11	52			
18/ 17			.4															3	3	4	31			
16/ 15		.1																1	1	4	16			
14/ 13																				3	31			
12/ 11																					22			
10/ 9																					15			
8/ 7																					12			
6/ 5																					5			
4/ 3																					1			
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

FEB

STATION

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PAGE 1

0630-0800

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

FEB

STATION

STATION NAME

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MONTH

PAGE 2

0600-0800

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

FEB

STATION

STATION NAME

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PAGE 1

0900-1100

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

13849	SHAW AFB SOUTH CAROLINA/SUMTER
STATION	STATION NAME

66-70, 74-78

FEB
MONTH

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1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

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1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

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1500-1700
HOURS (L. S. T.)

[illegible]0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER 66-70,74-78

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
76/ 75									.1			.1						2	2						
74/ 73						.2	.2	.1	.1									6	6						
72/ 71					.2	.1				.1	.2	.1						7	7						
70/ 69		.1	.1	.2	.1		.1	.2	.1		.1	.1						11	11	1	1				
68/ 67			.4	.6	.4	.6	.1	.4		.5	.1							25	25						
66/ 65		.2	.2	.5	.4	.4	.5	.5	.1	.1								25	25	3					
64/ 63		.1	.2	.4	.4	.6	.6	.2	.5	.1								26	26	13	2				
62/ 61	.2	1.4	.6	.2	.6	.4	.4	.6	.7	.2								45	45	12	7				
60/ 59		1.2	.7	.5	1.1	.2	.7	.8	.7	.1								51	51	34	15				
58/ 57		.7	.6	.7	.6	.4	.4	.9	.7									42	42	21	19				
56/ 55		.8	.2	.1	.6	.5	1.2	.8	.4									39	39	23	20				
54/ 53		.5	.1	.6	.5	.8	1.7	.8	.6	.1								48	48	40	15				
52/ 51	.2	.4	.2	.7	.5	1.7	1.3	.9	.5									54	54	32	21				
50/ 49		.9	.5	1.3	1.3	1.7	2.1	.6										71	71	29	21				
48/ 47	.1	1.2	.7	.8	1.4	1.8	1.8	.2										68	68	42	16				
46/ 45	.1	1.7	.5	1.3	1.8	1.5	1.2	.1										69	69	58	34				
44/ 43	.2	.4	.7	1.1	1.2	.9	1.8	.2										55	55	67	34				
42/ 41	.1	1.2	.4	.6	1.9	1.2	.5	.2										51	51	76	28				
40/ 39		1.4	.5	.8	1.1	1.4	.5											48	48	73	30				
38/ 37		.9	1.1	.6	1.1	1.2												41	41	82	38				
36/ 35	.6	.7	.2	.6	.9	.2												28	28	61	28				
34/ 33		.5	.5	.4	.6													16	16	55	39				
32/ 31		.4		.1	.4													7	7	47	49				
30/ 29		.1	.4	.4	.2													9	9	38	55				
28/ 27					.1													1	1	20	46				
26/ 25					.1													1	1	11	49				
24/ 23																				5	40				
22/ 21																				1	38				
20/ 19																				2	47				
18/ 17																					23				
16/ 15																					32				
14/ 13																					18				
12/ 11																					20				
10/ 9																					17				
Element (X)	Σ X'			Σ X			X̄			e _x			No. Obs.			Mean No. of Hours with Temperature									
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

YEARS

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1800-2000
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

6-70, 74-78

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
70/ 69				.5	.1													5	5					
68/ 67		.1	.2	.1		.1												5	5					
66/ 65		.2	.2	.1					.1									11	11	3				
64/ 63		.4		.7		.1		.2										12	12	8	4			
62/ 61	.1	1.1	.9	.6	.4	.2	.1	.5										33	33	8	3			
60/ 59		1.5	.7	.6	1.3	.1	.2	.1										39	39	23	20			
58/ 57		1.1	.5	.5	.7	.6	.4		.4									34	34	23	13			
56/ 55		.4	.8	1.3	.6	.6	1.1											40	40	19	22			
54/ 53		1.1	.4	.7	.5	.7	.9	.1										37	37	20	10			
52/ 51		.4	.9	.2	.8	1.4	.4											35	35	26	17			
50/ 49	.6	.8	.4	.8	.5	.8	.4											36	36	42	27			
48/ 47	.1	.9	.4	1.2	2.1	1.2	.5											54	54	29	14			
46/ 45		2.5	1.2	1.1	2.1	.8	.4											68	68	40	26			
44/ 43		1.1	1.9	1.9	2.0	1.9	.1											75	75	55	34			
42/ 41	.1	2.7	.9	1.9	2.8	.7												78	78	61	30			
40/ 39	.1	.8	2.2	2.7	1.8	.5												69	69	78	34			
38/ 37		1.4	1.4	1.9	.8	.5	.1											52	52	71	40			
36/ 35	.2	1.3	.4	.8	1.9	.5												43	43	75	28			
34/ 33	.2	.6	1.2	1.1	1.4													38	38	78	49			
32/ 31	.2	1.1	.9	2.1	.6													42	42	38	66			
30/ 29	.1	.5	.4	1.5	.1													22	22	44	60			
28/ 27			.5	.4														7	7	42	40			
26/ 25			.2	.4														5	5	34	52			
24/ 23		.1		.4														4	4	16	43			
22/ 21			.2															2	2	6	43			
20/ 19																				3	33			
18/ 17																				4	22			
16/ 15																					25			
14/ 13																					18			
12/ 11																					26			
10/ 9																					19			
8/ 7																					12			
6/ 5																					6			
4/ 3																					1			
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

FEB
MONTH

STATION

STATION NAME

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PAGE 2

2100-2300

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER 66-70, 74-78

FEB
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
80/ 79						.0		.0	.0	.1			.1					15	15						
78/ 77					.0	.0	.1	.1	.1	.0		.1	.0					27	27						
76/ 75					.0		.1	.1	.0	.1	.1	.1	.1					36	36						
74/ 73			.0	.0	.0	.1	.1	.0	.1	.1	.0	.1	.0					42	42						
72/ 71				.1	.1	.2	.2	.2	.2	.2	.0	.1						80	80						
70/ 69		.0	.1	.1	.2	.1	.1	.2	.3	.1	.1	.1						97	97	6	1				
68/ 67	.0	.1	.1	.3	.2	.2	.2	.1	.1	.2	.1	.0						115	115	7	4				
66/ 65	.0	.2	.2	.3	.2	.2	.1	.2	.3	.2	.3	.0						146	146	35	15				
64/ 63	.0	.5	.3	.5	.1	.2	.2	.2	.2	.4	.1							195	195	68	25				
62/ 61	.1	.9	.7	.4	.3	.2	.2	.3	.3	.4	.1							264	264	122	47				
60/ 59	.1	1.0	.8	.4	.6	.1	.4	.3	.5	.1	.0							294	294	191	105				
58/ 57	.1	.8	.6	.3	.4	.4	.4	.5	.6	.2	.0							283	283	221	134				
56/ 55	.1	.7	.4	.4	.5	.4	.7	.5	.5	.1								287	287	218	151				
54/ 53	.0	.8	.5	.5	.3	.6	.8	.7	.5	.1								316	316	198	143				
52/ 51	.1	.4	.8	.5	.5	.8	.6	.6	.2									306	306	205	164				
50/ 49	.1	.7	.5	.8	.6	.9	.9	.5	.1	.0								340	340	232	144				
48/ 47	.1	.9	.7	.8	1.0	.9	.7	.5	.0									378	378	271	124				
46/ 45	.2	1.6	.7	1.0	1.2	.7	.6	.1	.0									424	424	346	195				
44/ 43	.3	1.4	1.0	1.0	1.1	.9	.6	.1										442	443	455	251				
42/ 41	.1	1.9	.9	1.2	1.5	.6	.4	.1										446	446	463	226				
40/ 39	.1	1.4	1.3	1.5	1.2	.6	.2											431	431	576	259				
38/ 37	.1	1.9	1.5	1.7	1.1	.7	.0											469	469	500	285				
36/ 35	.4	1.0	1.2	1.2	.9	.3												340	340	540	328				
34/ 33	.1	1.0	1.2	.9	.7	.1												273	273	497	323				
32/ 31	.2	.9	1.3	.9	.4	.0												251	251	430	325				
30/ 29	.1	.4	1.0	.7	.2	.0												166	166	362	411				
28/ 27	.2	.5	.5	.5	.0													118	118	297	358				
26/ 25	.1	.2	.6	.3	.0													78	78	217	387				
24/ 23	.0	.2	.4	.2														57	57	117	350				
22/ 21		.2	.2	.0														26	26	104	312				
20/ 19			.2	.0														12	12	45	363				
18/ 17		.0	.1	.0														7	7	23	282				
16/ 15		.0	.1															6	6	11	206				
14/ 13																				7	190				
Element (X)	Σ x'			Σ x			Σ			n			No. Obs.			Mean No. of Hours with Temperature								Total	
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

FEB

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All

HOURS (L, S, T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

MAR

STATION

STATION NAME

YEARS

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PAGE 1

0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
72/ 71				.2														2	2								
70/ 69			.6	.3	.1		.1											11	11								
68/ 67		.8	1.3	.1	.2	.4	.1	.1										28	28	3							
66/ 65		.5	1.2	.5	.4	.4	.1			.1								31	31	19	9						
64/ 63		1.4	.9	1.0	.3	.4				.1								38	38	18	11						
62/ 61	.1	1.6	1.3	.8	1.2	.2	.1	.1	.2									52	52	28	26						
60/ 59	.1	2.8	1.2	1.4	.5	.6	.4											66	66	49	33						
58/ 57	.2	2.4	1.4	.9	.4	.4	.2	.4	.2									61	61	49	29						
56/ 55	.8	3.1	1.7	1.4	1.1	.4	.4	.2	.3									88	88	63	57						
54/ 53	.3	2.3	2.2	1.1	.8	.1	.8	.3										72	72	67	39						
52/ 51		2.2	1.7	1.4	1.0	.3	.3	.2										66	66	53	54						
50/ 49	.4	1.3	2.5	1.0	1.3	.3	.1	.1										65	65	72	59						
48/ 47		1.3	.8	2.2	.9	.3	.3											53	53	60	46						
46/ 45	.2	1.4	1.8	1.6	.8	.4	.1											59	59	54	52						
44/ 43		1.0	1.4	1.6	.8	.5												49	49	53	40						
42/ 41	.1	.1	1.1	1.7	1.1	.2												40	40	70	47						
40/ 39		.9	1.3	1.7	.6	.2												44	44	55	46						
38/ 37		.9	.5	1.2	.4													29	29	38	35						
36/ 35	.3	.8	.5	.8	.6													28	28	58	31						
34/ 33			.9	1.2	.4													23	23	39	30						
32/ 31			.3	1.2	.1													15	15	22	55						
30/ 29			.3	.6														9	9	19	36						
28/ 27			.1															1	1	23	40						
26/ 25																				16	23						
24/ 23																				2	27						
22/ 21																					20						
20/ 19																					29						
18/ 17																					10						
16/ 15																					18						
14/ 13																					18						
12/ 11																					7						
10/ 9																					1						
8/ 7																					2						
Element (X)	Σ X ²		Σ X		Σ		Σ X		No. Obs.		Mean No. of Hours with Temperature																
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

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0000-0200
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OLA)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

MAR

STATION

STATION NAME

YEARS

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PAGE 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL	TOTAL																												
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																
72/ 71				.1														1	1																																		
70/ 69			.2															2	2																																		
68/ 67		.4	1.1		.2		.1	.2										19	19	3	1																																
66/ 65		1.2	1.3	.5	.2			.1										31	31	6	3																																
64/ 63		1.5	.5	.2	.1	.1	.1											24	24	27	13																																
62/ 61		2.3	1.4	.2	.1	.1	.3											41	41	23	26																																
60/ 59	.4	1.9	1.9	.9	.3	.2												53	53	44	37																																
58/ 57	.1	3.3	2.7	.9	1.4			.2	.1									81	81	42	23																																
56/ 55	1.1	2.4	.8	1.2	.5	.1	.4											60	60	59	52																																
54/ 53	.3	2.0	.5	.4	.1	.5	.2											39	39	63	48																																
52/ 51	.1	3.0	3.5	.5	.2	.3	.3											75	75	42	38																																
50/ 49	.5	2.0	2.6	1.4	.3	.5	.5											74	74	75	58																																
48/ 47		3.0	2.0	.4	.5	.3	.2											61	61	50	43																																
46/ 45	.3	1.7	1.7	1.1	1.1	.5	.1											61	61	65	58																																
44/ 43	.1	1.4	1.9	1.1	.6													48	48	56	37																																
42/ 41		.9	2.6	1.0	.5	.2												48	48	39	67																																
40/ 39		1.1	2.3	1.6	.3													49	49	68	38																																
38/ 37	.1	1.1	2.0	1.2	.4	.2												47	47	46	31																																
36/ 35	.5	1.0	1.2	1.2	.3													39	39	65	36																																
34/ 33		.5	1.2	1.0	.1													26	26	41	37																																
32/ 31		.1	.3	.4	.1													9	9	31	30																																
30/ 29		.4	1.5	1.1														28	28	25	51																																
28/ 27		.2	.6	.1														9	9	20	43																																
26/ 25		.1	.4															5	5	23	28																																
24/ 23																				15	30																																
22/ 21																				2	18																																
20/ 19																					21																																
18/ 17																					16																																
16/ 15																					16																																
14/ 13																					19																																
12/ 11																					9																																
10/ 9																					1																																
8/ 7																					2																																
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ																										
Rel. Hum.																																																					
Dry Bulb																																																					
Wet Bulb																																																					
Dew Point																																																					
Mean No. of Hours with Temperature																																																					
		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total																																							

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED METHOD OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

PAGE 2

0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER
STATION STATION NAME

66-70, 74-78
YEARS

MAR
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
70/ 69			.5															5															5				
68/ 67		.3	.9															12															12		3		
66/ 65		1.7	.8	.5	.3													31														31		8	6		
64/ 63	.3	1.5	.8	.1	.3													28														28		33	18		
62/ 61	.1	2.5	1.5	.2		.3	.3											46														46		23	27		
60/ 59	.5	3.2	1.2	.8	.3	.3	.1	.2										62														62		42	35		
58/ 57	.8	2.2	1.5	.8	.3		.5											56														56		55	32		
56/ 55	.9	3.0	1.6	.6	.4	.3	.6											70														70		50	56		
54/ 53	.2	2.2	.9	.8	.3	.1	.2	.1										44														44		47	39		
52/ 51	.3	1.9	1.7	.5	.2	.8												51														51		53	37		
50/ 49	.1	3.7	2.4	.6	.1	.4	.1											69														69		43	54		
48/ 47	.2	3.0	2.5	1.0	.6	.4	.1											73														73		75	39		
46/ 45	.1	1.9	2.0	1.2	1.2	1.3												72														72		57	46		
44/ 43		1.3	1.5	.4	.4													34														34		56	43		
42/ 41		1.0	2.3	2.3	1.0	.1												61														61		46	59		
40/ 39	.1	1.6	1.3	1.5	.2	.1												45														45		56	34		
38/ 37	.2	1.1	1.4	1.2	.4													40														40		53	39		
36/ 35	.2	1.5	2.0	1.3	.5													52														52		56	41		
34/ 33		.4	1.3	.8	.1													24														24		52	39		
32/ 31		.2	1.0	.3														14														14		31	34		
30/ 29		.3	.9	.6														17														17		31	41		
28/ 27		.4	1.1	.2														16														16		22	34		
26/ 25		.1	.6															7														7		15	46		
24/ 23			.1															1														1		19	31		
22/ 21																																			4	21	
20/ 19																																				27	
18/ 17																																				6	
16/ 15																																				16	
14/ 13																																				16	
12/ 11																																				12	
10/ 9																																				2	
TOTAL	4.1	35.1	31.6	15.7	6.9	4.3	2.0	.3										930														930		930			
Element (X)	Σ x ²			Σ x			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature																					
Rel. Hum.	5435338			69310			74.517.044			930			≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total						
Dry Bulb	2298653			45253			48.710.150			930						5.5			1.7												93						
Wet Bulb	1992717			41891			45.010.670			930						12.2			.3												93						
Dew Point	1687318			37548			40.413.581			930						28.6															93						

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A) JUL 64

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

MAR
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19	20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
82/ 81											.1								1	1					
80/ 79							.1	.2	.2	.1	.1								7	7					
78/ 77					.1	.1	.3	.1	.1		.1			.1					9	9					
76/ 75					.1	.4	.4	.1	.2										12	12					
74/ 73				.3	.5	.4	.4	.2	.3	.1									22	22					
72/ 71				.8	1.0	.8	.6	.1	.3	.2				.1					36	36					
70/ 69		.3	1.6	.8	.5	1.1	.5		.4	.1	.1								51	51	2				
68/ 67		.8	.8	1.0	1.2	1.1	1.1	.4		.1	.2								61	61	13	3			
66/ 65		.9	1.0	1.4	.9	.4	.4	.4	.3	.2	.2								57	57	49	10			
64/ 63		1.2	.6	1.1	.4	.9	1.1	.2	.8		.1								59	59	41	26			
62/ 61	.2	1.4	1.0	1.5	1.3	.6	.6	.3	.3	.3									71	71	60	38			
60/ 59	.2	1.1	.5	1.0	.1	.6	.9	1.0	.8	.1									58	58	60	42			
58/ 57	.2	1.5	1.3	.3	.8	.4	.6	.6	.3										57	57	54	41			
56/ 55	.4	1.0	.3	1.1	.6	1.3	1.6	.9	.1										68	68	62	53			
54/ 53		1.1	.8	.5	.9	.3	.5	.8	.1										46	46	73	47			
52/ 51		1.1	.9	.8	1.0	1.2	.8	.1	.1										54	54	30	51			
50/ 49		.5	.2	1.5	.6	1.5	1.4	.3											57	57	54	45			
48/ 47		.3	.2	.2	.9	1.8	1.2												43	43	50	35			
46/ 45		.8	.4	.5	.4	1.6	.2												37	37	60	35			
44/ 43		.5	.1	.8	1.1	.5	.4												32	32	61	39			
42/ 41		.5	.4	.4	.6	.5	.2												26	26	44	32			
40/ 39		.8	.1	.3	.4	.6	.1												22	22	55	35			
38/ 37		.8		.3	.6	.3													19	19	52	29			
36/ 35	.1	.1	.1	.5	.9	.1													17	17	39	42			
34/ 33				.1	.4														5	5	18	31			
32/ 31				.3															3	3	18	37			
30/ 29																					20	25			
28/ 27																					10	32			
26/ 25																					5	31			
24/ 23																						33			
22/ 21																						43			
20/ 19																						26			
18/ 17																						15			
16/ 15																						16			
Element (X)	Σ X ²			Σ X			Σ	Σ	No. Obs.			Mean No. of Hours with Temperature													
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 75 F	≥ 90 F	≥ 93 F	Total							
Dry Bulb																									
Wet Bulb																									
Dew Point																									

REMOVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)

JUL 64

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

0900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
88/ 87											.1	.2						3	3					
86/ 85									.1	.3	.4	.2		.1				11	11					
84/ 83								.1	.2	.2	.1	.2				.1	.1	12	12					
82/ 81							.1	.6	.2	.4	.1	.3	.2			.1		20	20					
80/ 79						.6	.6	.4	1.0	.5	.5	.3	.2					40	40					
78/ 77					.3	.4	.5	1.1	1.0	.8	.8	.4	.2					51	51					
76/ 75			.1	.6	1.0	.6	1.4	.8	1.0	.5		.1	.3		.3			60	60					
74/ 73			.4	.3	1.1	.6	.5	.9	.6	.3	.1	.2	.1					49	49					
72/ 71		.4	.5	1.1	.2	.3	.8	1.3	.9	.3	.1	.2						57	57					
70/ 69	.3	.4	.5	.5	.5	.9	.6	.6	.5	.6	.5	.1						59	59	19				
68/ 67	.3	.4	1.0	.4	.1	.2	1.0	.4	1.2	.2	.6							55	55	42				
66/ 65	.1	.3	.8	.8	.4	.3	1.0	1.0	.6	.4	.1							54	54	46				
64/ 63	.9	.1	.1	.2		.5	.6	1.2	1.3	.3								49	50	66				
62/ 61	.5	.3	.2	.2	.5	.8	1.3	1.3	.9		.1							57	58	60				
60/ 59	.3	.2	.4	.2	.5	1.1	.8	1.0	.9	.1								51	51	61				
58/ 57	1.0	.4	.3	.3	.3	.9	1.3	1.3	.2									56	56	61				
56/ 55	.1	.6	.2	.4	.5	.5	.8	1.2	.8	.2								50	50	45				
54/ 53	.1	.8	.2	.1	.2	.2	1.0	1.4	.8									44	44	54				
52/ 51		.1	.4	.1	.6	.1	.8	1.6	.1									36	36	44				
50/ 49			.1	.1		.3	1.6	.4	.2									26	26	69				
48/ 47		.5	.1			.8	.3	.5										21	21	69				
46/ 45		.6			.1		.4	.1										12	12	54				
44/ 43		.4	.1			.9	.1											14	14	53				
42/ 41		.3		.1	.1	1.2	.2											18	18	43				
40/ 39		.6	.3	.2	.1	.6												18	18	45				
38/ 37	.1	.4																5	5	42				
36/ 35																				16				
34/ 33																				21				
32/ 31																				13				
30/ 29																				5				
28/ 27																								
26/ 25																								
24/ 23																								
22/ 21																								
Element (X)	Σx^2		Σx		\bar{x}		σ_x		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total					
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

MAR

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
90/ 89												.1		.1					1	1					
88/ 87											.1	.4	.2						7	7					
86/ 85									.2	.1	.2	.5		.2					12	12					
84/ 83								.2	.2	.5	.3	.2	.2	.3	.1	.1	.1		22	22					
82/ 81						.2	.2	.4	.3	1.3	.6	.4	.2	.1	.1				37	37					
80/ 79						.2	.5	1.0	.4	1.1	1.1	.5	.5	.4	.2				56	56					
78/ 77					.4	.1	.6	.5	1.1	1.0	1.4	.9	.2		.1				59	59					
76/ 75				.2	.1	.3	1.0	.9	.3	1.6	.8	.3	.2	.2					55	55					
74/ 73		.1			.2	.9	.4	.4	1.2	.5	.8	1.0	.1	.5					57	57					
72/ 71		.2	.3	.3	.5	.5		.4	.3	1.1	.6	.8	.3	.1					52	52	3				
70/ 69		.1	.2	.3	.6	.3	.5	.3	.8	.1	.5	.4	.2						42	42	22	3			
68/ 67		.2	.3	.9	.1	.9	.6	.2	.1	1.7	.5	.2							54	54	21	1			
66/ 65			.3	.6	.3	.4	.1	.2	1.1	1.7	.8	.6							58	58	51	14			
64/ 63		.6	.4	.4	.2	.8		.9	1.2	1.9	.5	.2							67	67	57	15			
62/ 61		1.1	.2	.3	.2	.4	.4	1.0	1.1	1.1	.5								59	59	66	18			
60/ 59		.4	.2	.8	.1	.1	.8	.6	1.0	1.1									47	47	62	29			
58/ 57		.8	.3	.4		.2	1.0	.5	1.2	.6	.2								49	49	83	46			
56/ 55	.2	.5	.1	.5	.1		.6	1.5	1.5	.6									54	54	48	41			
54/ 53		.3	.2	.5	.2		.1	.9	1.4										34	34	66	41			
52/ 51			.9	.2	.1		.2	.4	.8										24	24	38	54			
50/ 49	.1	.2	.2	.1		.2	.5	.2											15	15	72	33			
48/ 47		.6	.2			.2	.3	.5	.2										20	20	78	43			
46/ 45		.3	.1			.1	1.2	.1											17	17	57	48			
44/ 43			.1			.8	.3												11	11	42	43			
42/ 41		.4		.1		.2													7	7	43	29			
40/ 39		.5	.3	.2	.1														11	11	47	37			
38/ 37	.3																		3	3	28	27			
36/ 35																					24	35			
34/ 33																					18	37			
32/ 31																					4	36			
30/ 29																						48			
28/ 27																						29			
26/ 25																						31			
24/ 23																						26			
Element (X)	Σx^2		Σx		\bar{x}		s^2		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OL A) JUL 64

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

MAR
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
84/ 83									.1		.1	.1						3	3								
82/ 81								.1		.3	.3	.1						8	8								
80/ 79							.1	.2	.6	.1			.2					12	12								
78/ 77					.1	.1	.2	.2	.4	.3	.4	.1	.1					19	19								
76/ 75				.1	.4	.2	.5	.9	.4	.8	.2		.1					34	34								
74/ 73				.4	.4	.5	.5	.6	.4	.5	.4	.2						39	39								
72/ 71				.4	.3	.9	1.2	.9	.9	.5	.3	.4	.3					57	57								
70/ 69	.1	.2	.1	.2	.6	1.4	1.1	.9	.9	.4	.2	.2						59	59	4	1						
68/ 67	.2	.4	.5	.8	.4	1.0	.9	.5	.8	.6	.2	.1	.1					61	61	18	4						
66/ 65		.8	.5	.4	1.0	1.1	.4	1.1	.4	.5	.2	.2						62	62	20	8						
64/ 63		.8	.1	.4	.6	1.1	.5	.9	1.1	.5		.1						57	57	45	15						
62/ 61		.6	.8	.4	.4	.9	1.3	1.3	.5	.5								63	63	60	18						
60/ 59		1.4	.6	1.2	.6	.8	.9	1.1	.1	.2	.1							65	65	57	26						
58/ 57		1.5	.8	.3	.8	.9	1.2	.3	.8	.1								61	61	78	37						
56/ 55	.1	.6	.9	.3	.6	1.8	1.0	1.2	.3	.1								65	65	70	43						
54/ 53		.8	.6	.3	.9	.6	1.1	.8	1.0									56	56	69	38						
52/ 51	.1	.6	1.0	.4	.5	.4	1.2	1.4										53	53	62	74						
50/ 49	.2	.4	.3	.9	.2	1.1	.4	.8										40	40	65	34						
48/ 47		.3		.1	.5	.4	.6	.6										25	25	67	56						
46/ 45		.3	.2	.1	.5	.8	.5	.2										25	25	74	51						
44/ 43			.3	.1	.3	.4	.3											14	14	36	34						
42/ 41		.2			.6	.6												14	14	42	31						
40/ 39		.6		.9	.5	.1												20	20	44	47						
38/ 37	.1	.4		.1	.8													13	13	35	49						
36/ 35		.2		.2	.1													5	5	34	42						
34/ 33																				29	36						
32/ 31																				16	32						
30/ 29																				5	32						
28/ 27																					33						
26/ 25																					34						
24/ 23																					26						
22/ 21																					18						
20/ 19																					23						
18/ 17																					29						
Element (X)	Σ X'		Σ X		X		X		X		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

MAR
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
78/ 77								.1										1	1								
76/ 75								.2	.1									3	3								
74/ 73					.2													2	2								
72/ 71			.1	.8	.5	.3			.1									17	17								
70/ 69		.1	.4	1.0	.3	.9	.5	.2			.1	.1						34	34								
68/ 67		.4	1.0	.5	1.0	1.3	.2	.1	.3	.1	.1							47	47	5							
66/ 65	.3	.1	.4	1.2	1.1	.6	.6	.3	.1	.1								46	46	24	7						
64/ 63	.1	1.9	1.0	1.0	.9	1.0	.1	.6	.2	.2	.1							66	66	26	17						
62/ 61	.1	.8	1.2	1.4	1.9	.8	1.1	.4	.3	.2	.1							77	77	39	31						
60/ 59	.1	1.7	.9	1.4	1.1	.5	.9	.2	.3	.1								67	67	61	25						
58/ 57		2.0	1.8	1.1	1.3	.4	.4	.1										67	67	60	34						
56/ 55	.3	1.3	1.5	1.2	1.3	1.5	.8		.1									74	74	56	39						
54/ 53	.3	1.4	1.0	.9	.9	1.6	.3		.1									60	60	79	58						
52/ 51	.2	1.5	1.3	1.5	1.5	.4	.5	.1										66	66	60	67						
50/ 49	.3		1.2	1.6	.8	1.6	.5											56	56	76	51						
48/ 47	.1	1.3	.8	1.3	1.2	.9	.3	.1										55	55	58	46						
46/ 45		.6	.1	1.1	1.3	1.0	.2											40	40	65	48						
44/ 43			.4	1.0	1.2	.6	.5											35	35	69	38						
42/ 41			.4	1.6	1.2	.3	.1											34	34	26	35						
40/ 39	.1	.5	.6	.5	.9	.4												29	29	55	48						
38/ 37		.3	.6	.5	1.4	.2												29	29	44	52						
36/ 35	.3	.3		.8	.2													15	15	44	38						
34/ 33			.1	.2	.2													5	5	30	30						
32/ 31			.1	.3														4	4	17	45						
30/ 29			.1															1	1	27	34						
28/ 27																				5	39						
26/ 25																				4	35						
24/ 23																					11						
22/ 21																					26						
20/ 19																					18						
18/ 17																					18						
16/ 15																					15						
14/ 13																					12						
12/ 11																					9						
Element (X)	Σx^2				Σx				\bar{x}				s_x				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAFETAC FORM 0-26-5 (OL A) JUL 64 REUSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET B'LB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
90/ 89													.0						1	1				
88/ 87											.0	.1	.0						10	10				
86/ 85									.0	.1	.1	.1	.0	.0					23	23				
84/ 83								.0	.1	.1	.1	.1	.1	.0	.0	.0	.0		37	37				
82/ 81							.1	.0	.1	.1	.3	.1	.1	.1	.0	.0	.0		66	66				
80/ 79						.1	.2	.2	.3	.2	.2	.2	.1	.1	.1	.0			115	115				
78/ 77					.1	.1	.2	.3	.3	.3	.3	.3	.2	.1		.0			139	139				
76/ 75				.1	.2	.2	.3	.4	.2	.4	.2	.0	.1	.1					164	164				
74/ 73		.0		.1	.2	.4	.3	.2	.3	.2	.2	.2	.0	.1					169	169				
72/ 71		.0	.1	.4	.4	.3	.3	.3	.4	.3	.2	.2	.1	.0					222	222	3			
70/ 69	.0	.1	.5	.4	.3	.5	.5	.3	.3	.1	.2	.2	.0						263	263	47	5		
68/ 67	.0	.5	.8	.5	.4	.6	.4	.3	.2	.5	.2	.1	.0						337	337	108	13		
66/ 65	.0	.7	.7	.8	.6	.4	.3	.4	.4	.4	.2	.1							370	370	223	70		
64/ 63	.1	1.2	.6	.5	.4	.5	.3	.4	.6	.5	.1	.0							388	389	313	140		
62/ 61	.1	1.3	1.0	.6	.7	.5	.6	.6	.5	.4	.1	.0							466	467	359	216		
60/ 59	.2	1.6	.8	1.0	.4	.5	.6	.5	.4	.3	.0								469	469	436	263		
58/ 57	.2	1.8	1.3	.6	.7	.3	.6	.4	.5	.1	.0								488	488	482	285		
56/ 55	.5	1.6	.9	.8	.7	.8	.8	.6	.4	.1									529	529	453	383		
54/ 53	.2	1.3	.8	.6	.5	.4	.5	.5	.4										395	395	518	360		
52/ 51	.1	1.3	1.4	.7	.6	.4	.5	.5	.1										425	425	382	411		
50/ 49	.2	1.0	1.2	.9	.4	.8	.7	.2	.0										402	402	526	368		
48/ 47	.0	1.3	.8	.6	.6	.6	.4	.2	.0										351	351	507	342		
46/ 45	.1	1.0	.8	.7	.7	.7	.3	.1											323	323	486	374		
44/ 43	.0	.6	.7	.6	.6	.5	.2												237	237	426	318		
42/ 41	.0	.4	.8	.9	.6	.4	.1												248	248	353	341		
40/ 39	.0	.8	.8	.9	.4	.3	.0												238	238	425	321		
38/ 37	.1	.6	.6	.6	.5	.1													185	185	338	298		
36/ 35	.2	.5	.5	.6	.3	.0													156	156	336	303		
34/ 33		.1	.4	.4	.2														83	83	248	268		
32/ 31		.0	.2	.3	.0														45	45	152	301		
30/ 29		.1	.3	.3															55	55	132	300		
28/ 27		.1	.2	.0															26	26	80	285		
26/ 25		.0	.1																12	12	63	270		
24/ 23		.0																	1	1	36	207		
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OL A) JUL 64

USAFETAC

PSYCHROMETRIC SUMMARY

13849	SHAW AFB SOUTH CAROLINA/SUMTER	66-70,74-78
STATION	STATION NAME	

MAR
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

66-70,74-78

APR
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
76/ 75							.1											1	1					
74/ 73				.2	1.1	.2	.4	.2										21	21					
72/ 71		.3	.7	.6	.7	.2	.2			.2	.1							27	27		1			
70/ 69		.9	.9	.3	.4	.3	.1	.6		.1								33	33	11	5			
68/ 67		1.8	2.9	1.6	.7	.7	.3	.2										73	73	26	11			
66/ 65		2.2	3.6	1.4	1.6	.9	.6	.2										94	94	34	26			
64/ 63	.1	4.0	2.7	2.1	1.0	.3	.3	.1										96	96	70	32			
62/ 61	.2	2.4	2.6	1.4	1.2	.7	.4	.4	.1									86	86	90	62			
60/ 59	.2	1.1	2.3	1.1	1.2	1.0	.1		.1									65	65	74	76			
58/ 57	.1	1.1	1.4	1.7	1.2	1.0	.7	.4										69	69	80	55			
56/ 55	.3	2.0	2.0	2.4	1.1	1.1	.3	.1										85	85	63	52			
54/ 53		1.6	1.8	2.3	1.0	.4	.6											69	69	69	72			
52/ 51		1.6	1.7	.8	1.3	.4	.3											55	55	60	58			
50/ 49	.3	.3	1.4	1.0	1.3	.7	.2											48	48	91	51			
48/ 47		.2	1.2	1.2	.4	.3	.1											32	32	53	41			
46/ 45		.1	1.0	.6	.4	.2	.1											22	22	53	58			
44/ 43		.1	.3	.3	.4													11	11	46	52			
42/ 41			.3	.2	.1													6	6	30	44			
40/ 39		.1	.3	.2														6	6	21	48			
38/ 37																				14	32			
36/ 35			.1															1	1	11	24			
34/ 33																				2	26			
32/ 31																				1	20			
30/ 29																					17			
28/ 27																					14			
26/ 25																					8			
24/ 23																					11			
22/ 21																					1			
20/ 19																					3			
18/ 17																					1			
TOTAL	1.3	19.9	27.4	20.4	14.4	8.8	4.8	2.1	.4	.3								900	900	900	900			
																		900		900				
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Hum.	4749057		63663		70.7		16.534		900		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F			
Dry Bulb	3205653		53291		59.2		7.471		900						15.5		2.2				90			
Wet Bulb	2679906		48578		54.0		8.024		900						.1		3.8				90			
Dew Point	2270274		44150		49.1		10.780		900						7.5		1.6				90			

PSYCHROMETRIC SUMMARY

PAGE 1 0600-0800
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER
STATION STATION NAME

66-70, 74-78
YEARS

APR
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
90/ 89							.1												1	1				
86/ 85							.1	.2	.1	.1	.2	.2							9	9				
84/ 83						.2	.1	.1	.2		.2	.1	.2						11	11				
82/ 81					.2	.4	.1		.2	1.0	.2								20	20				
80/ 79				.1	.2	.8	.4	.9	.7		.4	.1			.1				34	34				
78/ 77				.3	1.3	.8	1.8	.9	1.1	.4	.1	.1							62	63	1			
76/ 75		.1	.2	.3	1.1	.9	1.3	.8	.2	.2	.2	.2							51	51	2			
74/ 73			.6	1.7	1.0	1.5	1.0	1.1	.4										65	66	9	1		
72/ 71			1.1	.8	2.2	1.7	1.3	.9	.4	.2	.2								80	80	19	3		
70/ 69			1.5	1.5	1.3	1.6	1.2	.8	.6	.4	.1	.1							81	91	32	14		
68/ 67		.2	1.2	1.0	1.8	1.2	.7	.9	.6	.3									71	72	47	26		
66/ 65		.6	.9	.8	1.1	.6	1.7	1.0	.9	.3									70	70	80	30		
64/ 63		.8	.8	.9	.9	1.0	1.1	1.5	.6	.2	.1								70	70	97	34		
62/ 61		1.1	1.0	.4	.3	.9	1.2	1.2	.2	.4	.1								63	63	82	43		
60/ 59		.8	.7	.6	.9	1.0	.9	1.2	.4										58	58	90	76		
58/ 57		.7	.1	.6	.6	1.2	1.5	.3	.7	.1									51	51	62	75		
56/ 55		.2	.3	.6	.4	.8	1.1	.6	.3										39	39	46	60		
54/ 53		.6	.6	.1	.2	.8	.8	.4											31	31	59	62		
52/ 51		.6	.2	.1	.1	.2	.4												15	15	53	56		
50/ 49		.3	.1	.1	.1	.3	.3												12	12	74	45		
48/ 47						.1	.1												2	2	44	39		
46/ 45																					34	35		
44/ 43																					33	41		
42/ 41																					17	34		
40/ 39																					13	36		
38/ 37																					1	22		
36/ 35																					1	40		
34/ 33																						27		
32/ 31																						22		
30/ 29																						17		
28/ 27																						14		
26/ 25																						13		
24/ 23																						11		
22/ 21																						11		
Element (X)	ΣX^2		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 2

0900-1100

0900-210
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

APR
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

ΔΡΚ

PAGE 2

1500-1700

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

APR

1800-2

1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

APR
MONTH

1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

2100-2300

2400 250
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
80/ 79				.1														1	1					
78/ 77					.1		.2	.2	.3	.1	.1							10	10					
76/ 75			.2	.2	.2	.6	.6	.4	.1	.2								23	23					
74/ 73		.1	.3	.8	.7	1.2	.7		.2	.6	.1							42	42	3				
72/ 71		.2	1.3	1.6	1.2	.9	.6	.3	.4	.1	.2							62	62	4				
70/ 69		.9	2.1	2.2	1.4	1.4	1.3	.4	.4	.1								94	94	13				
68/ 67		.8	2.7	1.9	1.6	1.2	.9	.4	.1	.1								87	87	30				
66/ 65	.1	1.8	2.0	2.6	1.3	1.3	1.1	.8	.3									102	102	57				
64/ 63	.2	1.3	2.3	.8	1.4	1.9	.9	.8	.2									89	92	103				
62/ 61	.1	1.3	1.0	.6	2.1	1.0	.9	.6										68	68	76				
60/ 59	.1	.8	.8	1.2	1.9	1.3	.8	.4										66	66	88				
58/ 57		.4	.8	1.7	1.4	1.0	.7	.3	.1									58	58	72				
56/ 55		.8	1.0	1.6	1.8	1.6	.3	.2	.1									66	66	62				
54/ 53	.3	.7	.9	1.6	.9	.4	.2	.1										46	46	82				
52/ 51		.6	.3	1.0	.9	1.1	.3	.1										39	39	74				
50/ 49		.1	.6	.1	.4	.9	.1	.1										21	21	71				
48/ 47		.1	.8	.3	.1	.3												15	15	53				
46/ 45				.1	.1	.1												3	3	43				
44/ 43			.1		.2													3	3	19				
42/ 41			.1		.1													2	2	24				
40/ 39																				14				
38/ 37																				5				
36/ 35																				3				
34/ 33																				1				
32/ 31																								
30/ 29																				20				
28/ 27																				13				
26/ 25																				7				
24/ 23																				5				
22/ 21																				6				
20/ 19																				5				
18/ 17																				2				
16/ 15																				3				
																				1				

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2A)

FORM 1041-A

USAFETAC

PSYCHROMETRIC SUMMARY

13849
STAT

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78

APR
MONTH

PAGE 2

2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER
STATION STATION NAME

66-70, 74-78
YEARS

APR
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
96/ 95											.0								1	1				
94/ 93											.0	.0	.0		.0				5	5				
92/ 91									.0	.0	.1	.0	.0		.0	.0			16	16				
90/ 89							.0		.1	.0	.0	.0	.1	.1	.2	.0	.0		43	43				
88/ 87								.0	.1	.1	.1	.1	.2	.2	.2	.0	.0		76	76				
86/ 85						.0	.1	.1	.2	.2	.3	.4	.3	.2	.1	.0	.0		144	144				
84/ 83						.1	.2	.1	.3	.4	.2	.3	.3	.2	.1				154	154				
82/ 81					.1	.1	.3	.4	.4	.5	.3	.4	.1	.0	.0	.0			192	194				
80/ 79				.0	.1	.4	.4	.6	.5	.4	.2	.2	.1	.1					215	218				
78/ 77				.1	.4	.4	.8	.4	.6	.5	.3	.2	.2	.0	.0				279	281	2			
76/ 75		.0	.1	.3	.3	.5	.4	.6	.5	.4	.4	.3	.0	.0	.0				277	277	4			
74/ 73		.0	.2	.8	.5	.7	.4	.6	.5	.5	.4	.2							348	350	52			
72/ 71		.1	.8	.7	.8	.5	.6	.6	.6	.6	.4	.0	.0						418	418	96			
70/ 69		.5	.9	.8	.6	.7	.6	.6	.6	.7	.3	.1	.0						459	459	158			
68/ 67		.9	1.7	.8	.8	.6	.5	.5	.8	.4	.1	.1							522	524	358			
66/ 65	.1	1.6	1.6	1.2	.7	.7	.6	.6	.5	.3	.3	.1							594	595	483			
64/ 63	.2	2.0	1.4	1.0	.7	.7	.5	.7	.5	.3	.2								582	586	641			
62/ 61	.2	2.0	1.3	.7	.8	.5	.6	.6	.2	.3	.1								524	528	688			
60/ 59	.1	1.4	1.3	.7	.7	.8	.4	.3	.3	.2									444	444	651			
58/ 57	.0	1.0	.8	.8	.8	.6	.5	.3	.2	.0									369	369	573			
56/ 55	.1	1.0	.8	1.3	.7	.6	.3	.2	.1										364	364	540			
54/ 53	.2	1.1	.8	.9	.6	.3	.3	.1	.0										310	310	553			
52/ 51	.1	1.0	.8	.4	.5	.5	.2	.0											253	253	483			
50/ 49	.1	.5	.8	.5	.5	.3	.1	.0											202	202	538			
48/ 47	.0	.3	.6	.6	.3	.2	.0												148	148	379			
46/ 45	.0	.3	.4	.3	.3	.1	.0												104	104	305			
44/ 43		.1	.3	.3	.2	.0													63	63	251			
42/ 41		.1	.2	.1	.1														32	32	173			
40/ 39		.1	.2	.2	.0														30	30	116			
38/ 37		.0	.1	.0															9	9	76			
36/ 35			.0																1	1	37			
34/ 33																					18			
32/ 31																					3			
30/ 29																								
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OL AI) REVIS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

ALL

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

66-70, 74-78

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

66-70, 74-78

YEARS

MAY
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
TOTAL	.0	6.9	11.7	14.8	17.0	13.8	13.7	11.1	6.9	2.7	.8	.1						930	930	930	930			

GLOBAL CLIMATOLOGY BRANCH
USAF-TAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

MAY
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
98/ 97														.1	.3						4	4		
96/ 95													.2	.2	.1						5	5		
94/ 93												.1	.2	.3	.2						12	12		
92/ 91								.1	.2	.5	.8	.6	.3	.2	.1						28	28		
90/ 89								.4	1.5	1.8	1.4	.9	.5	.2							63	63		
88/ 87								.9	2.2	1.5	1.6	1.0	.2								68	68		
86/ 85							.4	1.9	2.4	.5	1.2	.8	.3								70	70		
84/ 83					.3	.4	2.2	2.5	1.7	1.0	1.1	1.1	.6								101	101		
82/ 81			.1		.6	1.1	2.0	1.6	1.8	1.3	1.0	.5	.2								96	96		
80/ 79			.2	.5	1.2	2.4	.9	1.4	1.1	1.4	.2	.2	.1								89	89		
78/ 77			.3	.5	2.6	1.0	.9	1.0	1.3	1.0	.3	.1									83	83	4	1
76/ 75		.3	.5	1.8	1.1	1.4	1.5	1.0	.5	1.3	.5	.5	.2								100	100	14	
74/ 73			.8	1.4	.1	.2	1.0	.4	.2	1.9	.2	.3									61	61	76	6
72/ 71		.6	2.2	.3	.5	.5	.5	.4	.5		.3	.4									60	60	148	15
70/ 69	.1	.4	.6	.8	.1	.2	.3	.1	.2	.1	.2	.1									31	31	165	39
68/ 67		.3	.2	.3	.1	.2	.1		.1												13	13	129	70
66/ 65		.8	.1	.1	.3	.2	.2														16	16	95	136
64/ 63		.2	.1				.1														4	4	91	101
62/ 61			.3	.2																	5	5	58	86
60/ 59		.2	.1					.3													6	6	39	63
58/ 57		.2	.2																		4	4	38	67
56/ 55		.4																			4	4	34	80
54/ 53	.3	.2	.1																		6	6	22	51
52/ 51			.1																		1	1	11	52
50/ 49																							5	35
48/ 47																							2	23
46/ 45																							2	25
44/ 43																								24
42/ 41																								22
40/ 39																								5
38/ 37																								4
36/ 35																								8
34/ 33																								3
32/ 31																								8
Element (X)	Σx^2		Σx		\bar{x}		σ_x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER 66-70, 74-78

MAY
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
94/ 93												.1	.1					2	2						
92/ 91											.1	.1		.3				5	5						
90/ 89									.4	.2	.2							8	8						
88/ 87							.1		.5	.5	.2	.3	.2					18	18						
86/ 85							.5	1.1	1.6	1.0	.1	.1	.1					42	42						
84/ 83						.1	.1	1.2	1.4	.5	.2	.3						36	36						
82/ 81				.1	.3	1.4	2.2	1.2	1.0	.8	.5	.2						71	71						
80/ 79				.1	1.2	3.3	1.3	1.4	.9	.4	.1	.2	.1					84	84						
78/ 77		.1	.4	1.2	2.9	1.3	1.6	1.0	.9	.4	.3							94	94		1				
76/ 75		.3	.6	2.7	2.4	2.4	1.3	1.0	.6	.2	.1	.2						110	110		4				
74/ 73		.5	1.5	2.4	1.7	1.6	1.5	1.0	.4	.8								106	106		33				
72/ 71	.1	.8	2.8	1.0	1.7	.8	.6	.3	.8	.3	.2	.1						88	88		107				
70/ 69	.2	2.5	2.8	1.1	.8	1.1	1.3	.4	.5	.2	.1	.1						103	103		149				
68/ 67		1.3	1.6	.9	.5	1.0	.3	.5	.2	.1	.1							65	65		158				
66/ 65		1.9	.1	.4	.5	.5	.3	.3	.1									40	40		116				
64/ 63		.2	.1	.4	.2	.2		.1										12	12		103				
62/ 61		.1		.1	.1	.4	.1											8	8		70				
60/ 59		.2	.5	.1				.3										11	11		48				
58/ 57		.5	.4															9	9		37				
56/ 55	.2	.4	.1					.1										8	8		50				
54/ 53	.1	.4			.1													6	6		25				
52/ 51			.2															2	2		15				
50/ 49		.1																1	1		4				
48/ 47																					4				
46/ 45																					5				
44/ 43																									
42/ 41																									
40/ 39																									
38/ 37																									
36/ 35																									
34/ 33																									
32/ 31																									
28/ 27																									
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

MAY
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MAY
MONTH

2100-2300
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

MAY

PAGE 1

ALL

HOURS (L, S, T.)

3. WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849
STATI

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78

YEARS

MAY
MONTH

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

0000-0200
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78

JUN
MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

0600-0600
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER 66-70, 74-78

YEARS

JUN
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
100/ 99											.1	.1						2	2								
98/ 97											.1							1	1								
96/ 95											.1		.1					2	2								
94/ 93								.3	.3	.1	.1							8	8								
92/ 91							.1	.2		.3				.1				7	7								
90/ 89						.3	1.2	.6	.6	.3	.2	.1						30	30								
88/ 87				.1	.1	.6	1.9	.8	.4	.2	.1							38	38								
86/ 85					1.7	2.1	1.9	1.2	1.0	.3	.3	.1						78	78								
84/ 83			.2	.8	1.9	3.9	2.4	2.2	.7	.3								112	112								
82/ 81			.1	1.9	4.0	3.4	2.4	1.4	1.0	.1	.1							131	131		1						
80/ 79			.4	3.8	4.2	2.9	2.0	1.2	.7	.2	.1							140	140	21	1						
78/ 77			1.3	3.4	2.9	.6	1.7	.6	.8	.3				.1				107	107	51	4						
76/ 75		.1	1.8	3.1	1.3	1.4	1.1	.8	.4									91	91	92	17						
74/ 73		.2	2.1	.9	.8	1.0	.4	.7	.3		.1							59	59	175	70						
72/ 71		.8	1.3	.6	.6	.6	.4	.1	.2	.3								44	44	161	113						
70/ 69		.1	1.1	.4	.4	.1	.1	.1	.1									23	23	131	133						
68/ 67			1.0	.1			.2	.1										13	13	87	153						
66/ 65		.1			.1	.1												3	3	61	96						
64/ 63		.4			.1	.1												6	6	46	64						
62/ 61				.1														1	1	35	65						
60/ 59				.1														1	1	15	45						
58/ 57			.3															3	3	7	42						
56/ 55																				9	27						
54/ 53																				8	13						
52/ 51																					19						
50/ 49																					18						
48/ 47																					8						
46/ 45																					3						
44/ 43																					2						
42/ 41																					1						
40/ 39																					5						
34/ 33																					1						
TOTAL		1.8	9.5	15.3	18.1	17.1	16.0	10.6	6.6	2.8	1.3	.4	.2					900	900	900	900						
Element (X)	Σ x ²	Σ x	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature																					
Rel. Hum.	3729978	56684	63.0	13.336	900	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total															
Dry Bulb	5742951	71705	79.7	5.782	900			88.6	80.6	48.1	1.3	90															
Wet Bulb	4477051	63315	70.4	5.041	900			71.9	34.0	.6		90															
Dew Point	3891179	58357	65.4	6.845	900			49.1	9.2			90															

USAFETAC FORM 26-5 (OL A) JUL 64

PSYCHROMETRIC SUMMARY

56-70, 74-78

YEARS

JUN
MONTH

PAGE 1

1200-1400
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

-70,74-78

JUN
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

13849
STAY

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78

JUN
MONTH

PAGE 1

1500-1700
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

JUN
MONTH

13849
STATION

STATION NAME

YEARS

MONTH

PAGE 2

1500-1700

HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OL A)

FORM

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER 66-70, 74-78

YEARS

JUN
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
102/101														.1	.1			2	2						
100/ 99													.2	.2				4	4						
98/ 97												.1	.3					4	4						
96/ 95										.1	.3							4	4						
94/ 93								.1	.4	.1	.3	.1	.					11	11						
92/ 91							.2	.4	.3	.4	.3	.2						18	18						
90/ 89						.2	.3	.8	.9	.6	.2		.2					29	29						
88/ 87					.1	.7	1.7	1.7	1.6	.6		.1	.1	.1				59	59						
86/ 85				.1	1.2	2.3	1.1	1.3	1.2	1.4	.7							85	85						
84/ 83				.3	1.1	2.8	2.9	1.9	.8	.9	.9	.1		.1	.1			107	107						
82/ 81			.3	1.4	2.2	2.0	2.3	1.3	1.3	1.1	.3	.1	.1					114	114						
80/ 79		.1	.3	1.4	2.6	2.6	1.7	2.1	1.3	.2	.4		.1					116	116	14					
78/ 77		.1	1.4	3.1	2.9	1.1	.4	.9	.3	.4	.1							98	98	42	5				
76/ 75		.6	3.2	1.7	2.0	1.3	.7	.3	.2		.1							91	91	85	17				
74/ 73	.1	1.6	2.4	1.8	.7	.4	.4	.1	.2									70	70	152	44				
72/ 71		.7	1.2	.4	.8	.1	.3	.1		.1								34	34	176	99				
70/ 69	.1	1.2	1.1	.1	.3	.1	.2		.1									30	30	125	134				
68/ 67		.8	.3	.3														13	13	122	133				
66/ 65				.1	.1	.1												3	3	79	116				
64/ 63			.1	.3		.1												5	5	51	84				
62/ 61																				16	54				
60/ 59				.2														2	2	18	48				
58/ 57					.1													1	1	12	48				
56/ 55																				2	40				
54/ 53																				5	28				
52/ 51																				1	13				
50/ 49																					10				
48/ 47																					11				
46/ 45																					6				
44/ 43																					3				
42/ 41																					1				
40/ 39																					2				
38/ 37																					1				
36/ 35																					1				
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

 JUN
MONTH

2100-2300

2200 2200
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

YEARS

JUN
MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL																					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																						
106/105															.0	.0	.0		3	3																							
104/103															.0	.1			7	7																							
102/101											.0		.1	.1	.0				13	13																							
100/ 99											.0	.0	.1	.1	.0				15	15																							
98/ 97											.1	.1	.1	.1					24	24																							
96/ 95									.1	.1	.2	.1	.0	.0	.0	.0			47	47																							
94/ 93								.1	.5	.2	.2	.2	.0	.0					83	83																							
92/ 91						.0	.3	.4	.3	.4	.3	.2	.1	.0					149	149																							
90/ 89				.0		.2	.6	.8	.9	.6	.3	.1	.1	.0					260	260																							
88/ 87				.0	.0	.5	1.3	1.3	.9	.8	.4	.2	.1	.0					399	399																							
86/ 85				.1	.5	1.2	1.1	1.2	.8	.7	.4	.1	.0	.0					433	433																							
84/ 83			.1	.2	.8	1.5	1.3	.9	.6	.5	.3	.1		.0	.1				456	456	1																						
82/ 81			.3	.8	1.5	1.2	.9	.6	.6	.5	.3	.1	.0	.0					483	483	3	1																					
80/ 79		.1	.6	1.5	1.6	1.3	.8	.6	.5	.3	.2	.0	.0						540	540	103	2																					
78/ 77		.4	1.4	2.0	1.7	.5	.5	.4	.2	.2	.0	.0	.0						534	534	278	28																					
76/ 75	.0	.8	3.1	2.1	1.2	.7	.3	.2	.1	.1	.0	.0							628	628	540	111																					
74/ 73	.1	3.1	3.8	2.3	.8	.6	.2	.1	.1	.0	.0								804	804	939	348																					
72/ 71	.1	2.8	4.1	1.4	.9	.4	.2	.0	.0	.1									734	734	1213	776																					
70/ 69	.2	2.9	3.5	1.1	.7	.1	.1	.1	.0										629	629	1053	1039																					
68/ 67	.1	1.7	2.3	.8	.6	.1	.1	.1											403	403	1041	1092																					
66/ 65	.0	.7	1.5	.6	.2	.1	.0	.0											233	233	688	963																					
64/ 63		.5	.6	.5	.1	.1	.0												134	134	516	636																					
62/ 61		.3	.3	.3	.3	.0													82	82	338	556																					
60/ 59		.2	.3	.2	.1	.0													52	52	191	425																					
58/ 57		.0	.2	.1	.0														31	31	116	358																					
56/ 55		.0	.1	.1	.0														18	18	74	285																					
54/ 53			.1	.0															5	5	64	177																					
52/ 51																					29	118																					
50/ 49		.0																	1	1	10	94																					
48/ 47																					3	81																					
46/ 45																						46																					
44/ 43																						17																					
42/ 41																						19																					
40/ 39																						14																					
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ																				
Rel. Hum.																																											
Dry Bulb																																											
Wet Bulb																																											
Dew Point																																											
Mean No. of Hours with Temperature																																											
																				≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																		
																								Total																			

FORM 0-26-5 (OLA) JUL 64
USAFETAC

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

HOURS (L, S, T.)

PSYCHROMETRIC SUMMARY

JUL
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

27

 JUL
MONTH

YEARS

0900-1100
HOURS (U. S. T.)

FORM
HR 111
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

JUL
MONTH

PAGE 1

1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31													
104/103														.2	.2			4	4											
102/101											.1	.3	.2		.1			7	7											
100/ 99											.2	.3	.2	.1				8	8											
98/ 97									.2	.5	1.2	.5		.2				25	25											
96/ 95								.2	1.1	1.7	.9	.5						41	41											
94/ 93							.4	1.8	2.4	2.3	1.0	.9	.1					32	82											
92/ 91						.9	2.7	2.8	2.0	1.5	1.3	.2	.1					107	107											
90/ 89					.1	1.2	4.3	3.4	2.2	1.2	.6	.2						123	123											
88/ 87				.3	.5	2.2	5.7	3.5	1.5	1.1	.4							142	142											
86/ 85				.2	1.7	4.3	2.9	1.8	1.4	.8								122	122											
84/ 83				1.4	2.7	1.4	1.8	1.6	1.1	.2								95	95											
82/ 81		.1	1.0	2.0	1.5	1.1	1.2	1.1	.3									77	77	28	2									
80/ 79		.2	.8	.8	1.3	.4	.3	.3	.2									40	40	115	4									
78/ 77	.1	.5	1.2	1.1	.4	.1	.1											33	33	198	21									
76/ 75		.4	.9	.1														13	13	234	99									
74/ 73		.1	.6															7	7	144	149									
72/ 71		.1	.1															2	2	111	174									
70/ 69		.2																2	2	56	150									
68/ 67																				37	119									
66/ 65																				6	68									
64/ 63																				1	58									
62/ 61																														
60/ 59																														
58/ 57																														
56/ 55																														
54/ 53																														
TOTAL	.1	1.7	4.5	5.9	8.3	11.5	19.5	16.7	12.4	9.2	5.7	3.0	.6	.5	.3			930	930	930	930									
Element (X)	Σ x ²			Σ x			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature						Total								
Rel. Hum.	3151184			52752			56.713.081			930			≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F		
Dry Bulb	7135415			81297			87.4 5.563			930									93.0			92.6			85.9			16.7		
Wet Bulb	5245962			69778			75.0 3.364			930									92.3			71.9			6.3					
Dew Point	4522399			64703			69.6 4.733			930									71.8			27.5			.3					

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)

USAFETAC JUL 64

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 JUL
MONTH
1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

66-70, 74-78

JUL
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 1

ALL

HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER 66-70,74-78 AUG
STATION STATION NAME YEARS MONTH
PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
86/ 85					.1	.1														2	2			
84/ 83				.1																1	1			
82/ 81			.2	.9	.3	.2	.1													16	16			
80/ 79		.6	2.3	1.1	.4	.1														42	42			
78/ 77		4.9	8.3	1.0	.3															135	135	10	4	
76/ 75	.4	12.7	8.6	1.4	.1	.3	.2													221	221	107	54	
74/ 73	1.7	15.1	5.5	1.1	.3	.2														222	222	290	212	
72/ 71	.6	8.3	4.4	.4	.1	.2	.2													133	133	211	239	
70/ 69	.9	3.8	2.5	.4	.2															72	72	126	165	
68/ 67	.2	2.6	1.9	.3	.4															51	51	70	92	
66/ 65		.4	.6	.6	.2															18	18	47	59	
64/ 63		.3	.5	.5																13	13	26	37	
62/ 61			.1		.3															4	4	16	15	
60/ 59																						20	14	
58/ 57																						3	11	
56/ 55																						1	13	
54/ 53																						2	10	
52/ 51																							2	
50/ 49																							1	
48/ 47																							2	
TOTAL	3.9	48.7	34.9	7.8	2.6	1.3	.6													930	930	930	930	
Element (X)	Σ X ²		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X	
Ref. Hum.	7158336		81216		87.3		8.417		930		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total	
Dry Bulb	5068052		68570		73.7		3.639		930						89.5		63.9		4.0				93	
Wet Bulb	4708730		66078		71.1		3.852		930						81.5		40.8						93	
Dew Point	4541169		64845		69.7		4.617		930						76.6		27.0						93	

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

0300-0500
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

0600-0800
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER 66-70,74-78

AUG
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
102/101										.1				.2						3	3			
100/ 99											.4	.2								6	6			
98/ 97									.1	.5	.9	.3								17	17			
96/ 95							.1	.1	.4	1.4	.8									26	26			
94/ 93							.1	.8	2.5	2.0	.6	.1								57	57			
92/ 91						.1	2.7	3.7	3.3	1.1	.3									104	104			
90/ 89				.1		.6	4.2	4.8	2.8	.4	.3									124	124			
88/ 87			.1		.1	2.0	5.3	3.3	.8	1.0	.2	.1								120	120			
86/ 85			.1	.3	2.6	3.4	1.1	1.4	1.6	.6	.6									110	110			
84/ 83			.1	1.2	3.0	2.4	1.1	2.0	.5	.4	.3									103	103	4	2	
82/ 81			.3	1.0	1.9	1.2	1.1	.4	.2	.3	.3									63	63	6		
80/ 79		.3	1.3	1.9	.6	.2	.4	.8												52	52	87	2	
78/ 77		1.3	2.2	.8	.2		.2	.2	.1											46	46	215	12	
76/ 75		1.2	1.7	1.4					.2											42	42	242	76	
74/ 73	.2	1.5	1.4	.6	.1															36	36	142	175	
72/ 71		1.0	.1	.3																13	13	90	199	
70/ 69		.2	.3	.1																6	6	74	201	
68/ 67		.2																		2	2	35	75	
66/ 65																						24	59	
64/ 63																						8	42	
62/ 61																						1	31	
60/ 59																						2	19	
58/ 57																							16	
56/ 55																							5	
54/ 53																							7	
52/ 51																							6	
50/ 49																							2	
48/ 47																							1	
TOTAL	.2	5.7	7.6	7.7	8.6	10.0	16.2	17.5	12.6	8.0	4.8	.8		.2						930	930	930	930	
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	3596502		56156		60.4		14.878		930		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total	
Dry Bulb	6854742		79626		85.6		6.329		930						93.0		90.9		75.6		10.9		93	
Wet Bulb	5178535		69313		74.5		3.687		930						89.5		69.6		3.8				93	
Dew Point	4528137		64733		69.6		4.907		930						74.2		26.7		.2				93	

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

SEP

STATION

STATION NAME

YEARS

MONTH

0600-0800

HOURS (L. S. T.)

0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 1260-1400
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

1800-2000
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
YEARS

SEP
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
96/ 95								.0	.1	.0	.0							2	2		
94/ 93								.0	.1	.0	.0	.0	.0					18	18		
92/ 91					.0	.0	.0	.2	.4	.2	.1	.0						67	67		
90/ 89					.1	.1	.4	.6	.8	.2	.1	.1	.0					162	162		
88/ 87				.0	.1	.4	1.0	.9	.5	.2	.1	.1	.0					229	229		
86/ 85			.0	.0	.4	1.3	1.1	.6	.6	.2	.3	.0	.0					335	335		
84/ 83			.0	.3	1.2	.9	.5	.5	.8	.4	.1	.0	.0					353	353	3	
82/ 81		.0	.2	.8	1.1	.9	.9	.7	.2	.2	.1	.1						382	382	9	1
80/ 79	.0	.1	.8	1.2	.8	1.1	.4	.5	.4	.2	.2	.0	.0					411	411	41	10
78/ 77	.0	.9	1.6	1.4	1.3	.5	.5	.2	.3	.2	.1	.0						503	503	209	13
76/ 75	.1	1.9	2.5	1.7	1.0	.5	.3	.4	.3	.1	.1							634	634	561	143
74/ 73	.4	3.9	3.2	1.7	.6	.5	.4	.1	.1	.1	.0							802	802	839	448
72/ 71	.7	4.7	3.7	.8	.8	.4	.2	.1	.2	.1								840	840	953	851
70/ 69	.5	3.5	3.3	1.0	.6	.4	.2	.1	.1	.0								699	699	1047	991
68/ 67	.1	1.6	2.3	.8	.5	.3	.2	.0	.0									416	416	795	860
66/ 65	.0	1.7	2.2	.8	.5	.2	.1	.1										403	403	622	699
64/ 63		1.3	1.5	.8	.4	.2	.0	.0										300	300	538	565
62/ 61	.0	.9	1.1	.6	.4	.1												227	227	414	479
60/ 59	.0	.7	.7	.4	.2	.0	.0											148	148	361	437
58/ 57		.4	.7	.3	.2	.0												110	110	291	409
56/ 55		.3	.4	.3														65	65	180	289
54/ 53		.1	.3	.2	.0													52	52	152	259
52/ 51		.0	.3	.0														21	21	78	202
50/ 49		.0	.1	.0														9	9	61	149
48/ 47		.0	.0															5	5	30	124
46/ 45		.0	.0															3	3	8	118
44/ 43																				3	72
42/ 41																				1	48
40/ 39																					21
38/ 37																					6
36/ 35																					2
TOTAL	1,921	1,925	013	310	17	8	6	3	2	4	6	2	1	1	1	1	1	7196	7196		7196
																		7196		7196	
Element (Z _x	Z _y		X		Y		No. Obs.		Mean No. of Hours with Temperature						Total					
Rel. Hum.	40882259	528433		73.4		16.991		7196		± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total					
Dry Bulb	39502771	529871		73.6		8.220		7195				565.6	390.0	177.2	2.0	720					
Wet Bulb	32972802	484844		67.4		6.516		7196				445.9	166.3	1.7		720					
Dew Point	29739460	459172		63.8		7.820		7196				331.9	61.5	.5		720					

FORM 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

NET
MONTH

0900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

YEARS

GMT
MONTH

PAGE 1

1200-1400
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb		Wet Bulb	Dew Point	
90/ 89						.1					.1		.1					3	3			
88/ 87						.1	.1			.3	.3		.1					9	9			
86/ 85						.2	.1	.3	.4	.5	.2	.2						19	19			
84/ 83						.1	.3	.4	.6	1.5	.4	.1	.1					34	34			
82/ 81						.3	.9	1.6	1.6	1.0	1.3	.4	.1					67	67			
80/ 79			.1	.2		.9	2.7	1.5	1.3	1.6	.9		.2	.1				88	88	1		
78/ 77		.1	.5	.3	2.3	1.2	2.3	2.4	1.6	1.0	.4	.2	.1					115	115	2		
76/ 75		.3	.2	1.0	.6	.8	1.5	1.6	1.2	1.2	1.0	.2						89	89	6	2	
74/ 73		.5	.6	.8	.8	.9	1.6	1.4	.4	1.2	.9	.2						86	86	26	6	
72/ 71		.2	.9	1.3	1.0	.5	1.1	.5	1.3	.8	.6		.1					77	77	40	15	
70/ 69		.4	.5	.2	1.3	.9	.6	1.9	1.3	1.0	.4	.2						82	82	92	20	
68/ 67		.2	.5	.3	.2	.4	.6	1.3	1.5	1.1	.3							61	61	87	35	
66/ 65		.1	.2	.4	.3	.5	.6	1.6	1.5	.4								54	54	83	59	
64/ 63		.6	.4	.4	.4	.2	1.2	.3	.9									42	42	97	54	
62/ 61		.4	.1	.4	.5	.5	.4	.8	.4									34	34	87	46	
60/ 59		.3			.3	.2	.4	.9	.6	.1								27	27	55	67	
58/ 57	.1		.1		.2	.1	.4	.3	.3	.1								16	16	55	75	
56/ 55	.1	.3	.2			.1	.5	.4	.1									17	17	62	58	
54/ 53								.2										3	3	74	58	
52/ 51							.2											2	2	53	56	
50/ 49			.2				.2											4	4	35	37	
48/ 47			.1															1	1	28	27	
46/ 45																				20	28	
44/ 43																				13	48	
42/ 41																				8	46	
40/ 39																				4	36	
38/ 37																				2	25	
36/ 35																					29	
34/ 33																					26	
32/ 31																					20	
30/ 29																					20	
28/ 27																					13	
26/ 25																					5	
24/ 23																					11	
Element (X)	Σ X ²		Σ X		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	* 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
22/ 21																					2		
20/ 19																					5		
18/ 17																					1		
TOTAL	.2	2.7	4.8	5.4	9.2	10.6	15.7	17.5	15.7	10.2	4.8	1.5	.5						930		930		
																		930					

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OLA)

JSAFETAC

PSYCHROMETRIC SUMMARY

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L, S, T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

YEARS

0CT
MONTH

1500-1700

HOURS (L, S, T)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

ALL
HOURS (L. S. T.)

JSAFETAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

13849
STATIC

SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

MUV

PAGE 2

0000-0200
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

NOV
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
74/ 73	.3																	3	3	3	3										
70/ 69	.3	.4	.1															8	8	6	6										
68/ 67	.8	.2	.1	.2														12	12	9	9										
66/ 65	.7	.8	.7															19	19	13	11										
64/ 63	.3	1.8	.8	.1														27	27	10	8										
62/ 61	.3	3.2	1.2	.4														47	47	39	20										
60/ 59	.8	3.4	1.0	.1	.1		.1											50	50	44	53										
58/ 57	.6	2.4	1.8	.7	.1	.4	.1											55	55	42	30										
56/ 55	.2	2.4	1.4	1.1	.2	.1												50	50	39	39										
54/ 53	.2	2.2	1.8	1.2	.3	.3												55	55	39	31										
52/ 51	.1	1.4	2.1	.7	.4	.3												46	46	44	35										
50/ 49		2.7	.8	1.0	.7	.2	.1											49	49	48	28										
48/ 47		2.4	1.1	1.1	.7	.1												49	49	47	35										
46/ 45	.1	2.9	2.1	2.3	.3	.2	.1											73	73	45	41										
44/ 43	.1	1.8	2.1	1.6	.4	.2												56	56	51	50										
42/ 41	.1	1.3	2.6	1.3	.2	.2												52	52	57	32										
40/ 39		2.0	2.8	1.0	.1													53	53	71	42										
38/ 37		.8	3.3	1.1	.1													48	48	47	29										
36/ 35		1.6	2.2	1.3														46	46	57	55										
34/ 33		1.7	1.9	1.0														41	41	54	54										
32/ 31		1.3	1.3	.4														28	28	39	51										
30/ 29		.2	1.7	.1														18	18	43	56										
28/ 27		.3	.3	.2														8	8	25	45										
26/ 25			.1															1	1	18	31										
24/ 23				.2														2	2	3	18										
22/ 21			.2															2	2	1	24										
20/ 19																				2	26										
18/ 17		.2																2	2	2	16										
16/ 15																				2	6										
14/ 13																					7										
10/ 9																					2										
8/ 7																					4										
4/ 3																					3										
Element (X)	Σ x ²			Σ x			x̄			s _x			No. Obs.			Mean No. of Hours with Temperature															
Rel. Hum.													≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total
Dry Bulb																															
Wet Bulb																															
Dew Point																															

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

NUV
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
YEARS

NOV
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71	.2	.2																4	4	2	2
70/ 69	.6	.3	.2															10	10	7	7
68/ 67	.3	.1	.2															6	6	6	6
66/ 65	.6	1.3	.9															25	25	11	10
64/ 63	.3	2.2	.7	.1														30	30	23	15
62/ 61	.6	3.0	1.1	.1														43	43	31	27
60/ 59	.6	3.3	.7															41	41	45	34
58/ 57	.4	2.8	1.7		.1	.2												47	47	41	41
56/ 55	.2	2.7	1.7	.9	.4	.2												55	55	30	33
54/ 53	.3	1.6	1.8	1.2	.2													46	46	47	35
52/ 51	.1	1.3	1.8	.7	.3	.1												39	39	29	33
50/ 49	.3	2.3	2.0	1.2	.2													55	55	46	27
48/ 47	.3	1.9	.7	1.3	.6													43	43	56	39
46/ 45	.6	3.0	2.4	1.9	.2													73	73	43	43
44/ 43		1.7	2.2	1.6	.3													52	52	47	43
42/ 41	.1	1.8	2.4	1.8	.2	.2												59	59	58	39
40/ 39	.1	2.0	3.2	1.0	.1	.1												59	59	55	31
38/ 37		1.7	2.7	.8	.4													50	50	68	35
36/ 35		1.6	2.8	1.2														50	50	57	54
34/ 33		1.7	2.8	.2														42	42	47	56
32/ 31		1.0	2.3	.3														33	33	52	50
30/ 29		.6	1.4	.2														20	20	42	44
28/ 27		.3	.2	.1														6	6	27	49
26/ 25		.3	.2															5	5	16	36
24/ 23																				5	25
22/ 21			.3															3	3	2	24
20/ 19			.3															3	3	1	28
18/ 17		.1																1	1	3	12
16/ 15																				3	6
14/ 13																					6
12/ 11																					1
10/ 9																					3
8/ 7																					3
4/ 3																					3
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

0600-0800

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER 06-70, 74-78

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
80/ 79									.1									1	1						
78/ 77									.1									6	6						
76/ 75		.1	.1	.1	.2	.2	.1		.1									9	9						
74/ 73		.2	.1	.4	.2	.1	.3		.1									14	14	2					
72/ 71		.7	.6	.4	.6	.4	.3	.2	.1									30	30	10	5				
70/ 69		.3	.7	.6	.3	.8	.3	.2										29	29	4	7				
68/ 67	.2	.7	1.3	.4	.6	.8	.9	.2										46	46	22	8				
66/ 65	.3	2.0	.9	1.1	.6	.8	.6	.2	.2	.2								62	62	22	18				
64/ 63	.3	.7	.9	1.0	.6	.9	.7	.6		.1								51	51	49	28				
62/ 61	.3	1.3	1.8	.7	1.0	1.0	.3	.3	.1	.1								63	63	31	31				
60/ 59		1.4	.9	1.0	1.1	1.0	1.2	1.2										71	71	60	28				
58/ 57	.3	1.3	1.0	.9	1.2	1.1	1.1	.8	.1									71	71	50	42				
56/ 55		1.1	1.1	.7	.9	1.3	.9	.6										59	59	51	38				
54/ 53		.2	.9	.9	1.3	1.6	.6	.3										52	52	47	37				
52/ 51		1.0	1.4	.9	1.1	1.6	.7	.1										61	61	48	34				
50/ 49	.1	1.0	.3	1.0	2.1	1.6	.6	.1										61	61	67	38				
48/ 47	.2	.3	.3	1.7	1.0	1.0	.3	.2										46	46	61	40				
46/ 45		.6	.7	1.7	.9	1.0	.8											50	50	55	44				
44/ 43		.3	.8	.6	1.1	1.0	.2											36	36	58	36				
42/ 41	.1	.6	.6	.8	1.1	.6												33	33	75	35				
40/ 39		.1	.3	.8	.9	.1												20	20	50	39				
38/ 37		.1	.2	.4	.2	.1												10	10	38	33				
36/ 35			.3	.2		.1												6	6	32	55				
34/ 33			.1		.4													5	5	36	48				
32/ 31				.1	.1													2	2	15	43				
30/ 29				.1	.1													2	2	4	39				
28/ 27				.1														1	1	3	35				
26/ 25			.1															1	1	4	29				
24/ 23				.1														1	1	2	29				
22/ 21			.1															1	1	2	14				
20/ 19																				1	23				
18/ 17																				1	10				
16/ 15																					14				
14/ 13																					2				
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 2

0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
12/ 11																					9	
10/ 9																					3	
8/ 7																					2	
6/ 5																					1	
4/ 3																					3	
TOTAL	2.0	14.1	15.7	16.9	17.7	17.1	10.0	5.1	1.0	.4									900		900	
																		900		900		
							</															

PSYCHROMETRIC SUMMARY

MCNTH

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

NDV
MONTH

PAGE 2 1200-1400
HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

ADV
CONT

STATION

STATION NAME

YEARS

PAGE 1

1500-1700

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

NOV
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

NOV
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
74/ 73		.3																3	3	3	3														
72/ 71		.2	.2															5	5																
70/ 69	.1	1.0	.6															15	15	6	2														
68/ 67	.1	.7	.6	.6	.1													18	18	15	12														
66/ 65	.1	2.6	1.3	.8	.3													46	46	15	15														
64/ 63	.6	1.1	.5	1.2	.7	.1												41	41	31	25														
62/ 61		1.9	1.1	.9	.6	.6			.2									47	47	30	16														
60/ 59		3.0	2.3	.6	.2	1.0	.2	.1										67	67	39	30														
58/ 57	.1	1.9	3.0	1.0	.8	.4												65	65	54	36														
56/ 55	.4	.9	1.2	1.6	.8	.2	.4	.1	.1									52	52	55	47														
54/ 53		.4	1.8	2.1	1.8	.3	.2	.1										61	61	39	35														
52/ 51		1.1	1.3	1.7	2.1	.8	.1	.3										67	67	34	42														
50/ 49	.2	.9	2.0	1.8	.8	.4	.7											61	61	55	27														
48/ 47		.7	.9	2.5	1.6	.4	.1											55	55	64	36														
46/ 45		1.0	2.0	2.0	.9	.7												59	59	51	34														
44/ 43		.9	2.1	2.7	.8	.2	.1											61	61	58	29														
42/ 41		.2	2.2	1.5	.4	.1												40	40	66	65														
40/ 39		.2	2.1	2.0	.4	.2												45	45	70	39														
38/ 37		.4	1.7	1.5	.2	.1												35	35	58	29														
36/ 35		.2	.8	.6	.3													17	17	48	68														
34/ 33		.1	1.3	.6	.2													20	20	41	48														
32/ 31			.2	.2	.1													5	5	20	46														
30/ 29		.2	.7	.2														10	10	19	54														
28/ 27																				15	29														
26/ 25																				6	30														
24/ 23																				3	25														
22/ 21			.1															1	1		29														
20/ 19																				1	12														
18/ 17																					9														
16/ 15																					8														
14/ 13																					7														
12/ 11																					4														
10/ 9																					1														
8/ 7																					2														
Element (X)	Σ x ²			Σ x			x̄			s _x			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

NOV
MONTH

2100-2300
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

66-70, 74-78

NBV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 2

ALL

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
68/ 67			.1	.1														2	2					
66/ 65		.4	.4	.2														10	10	1				
64/ 63	.3	.5	.2	.2														12	12	11	5			
62/ 61	.6	1.4	.4	.2														25	25	16	17			
60/ 59	.5	2.4	.6	.2														35	35	23	11			
58/ 57	.2	1.8	1.2	.2														32	32	31	29			
56/ 55	.5	1.7	.4	.2	.1													28	28	34	39			
54/ 53	1.3	1.3	1.2	.4	.3		.1											43	43	36	23			
52/ 51	.4	2.6	1.2	.4	.1	.3												47	47	28	35			
50/ 49	.3	2.5	.8	.3	1.0	.3	.1											49	49	40	30			
48/ 47		1.8	1.2	1.5	.8	.2												51	51	39	26			
46/ 45	.2	2.5	1.9	1.5	.3	.2	.3											65	65	27	42			
44/ 43	.2	1.5	.9	1.4	.6	.4	.1											48	48	47	24			
42/ 41	.5	1.4	1.7	1.2	1.2	.2												58	58	64	38			
40/ 39	.1	1.9	1.9	1.2	.3	.1												52	52	47	33			
38/ 37		2.3	2.4	2.9	1.2													81	81	52	29			
36/ 35		1.4	3.8	1.9	.5													71	71	61	33			
34/ 33		1.8	3.0	2.3	.6													72	72	69	36			
32/ 31		1.5	3.3	1.9	.2													65	65	91	43			
30/ 29		.5	3.3	.5														41	41	66	54			
28/ 27		.6	1.5	.4														24	24	59	56			
26/ 25		.5	.5	.1														11	11	53	56			
24/ 23		.3	.1															4	4	23	33			
22/ 21		.2	.1															3	3	7	50			
20/ 19		.1																1	1	4	62			
18/ 17																				1	46			
16/ 15																					31			
14/ 13																					17			
12/ 11																					17			
10/ 9																					8			
8/ 7																					6			
6/ 5																					1			
TOTAL	5.4	33.1	32.3	19.5	7.3	1.8	.6											930	930	930	930			
Element (X)	Σx ²		Σx		X		x _s		No. Obs.		Mean No. of Hours with Temperature													
Rel Hum.	5128665		67189		72.217		190		930		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	1813181		39983		43.010		070		930				14.9		.2								93	
Wet Bulb	1560908		36766		39.510		753		930				30.4										93	
Dew Point	1262709		31719		34.113		992		930				48.0										93	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

5-70, 74-77

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0300-0500

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
66/ 65		.3																3	3					
64/ 63	.1	1.5	.3	.4	.1													23	23	10	5			
62/ 61		1.3	1.0	.3														24	24	16	14			
60/ 59	.5	1.8	.1	.1	.1													25	25	21	17			
58/ 57	.3	1.5		.4	.2													23	23	28	24			
56/ 55	.9	2.0	.2		.1													30	30	26	27			
54/ 53	.9	1.5	.4	.2														28	28	30	27			
52/ 51	.6	2.2	.9	.5	.1	.1												41	41	28	29			
50/ 49	.6	3.0	1.2	.1	.2	.2												50	50	35	27			
48/ 47	.1	2.7	.8	.5	.5	.3												46	46	44	34			
46/ 45	.3	2.2	1.6	1.2	.4	.1												54	54	37	33			
44/ 43	.1	2.2	1.0	.9	.9	.3												49	49	34	28			
42/ 41	.2	1.8	2.3	1.1	.6													56	56	48	42			
40/ 39	.8	2.9	2.6	1.0	.2													69	69	67	34			
38/ 37	.3	2.0	1.7	1.7	.5													59	59	61	31			
36/ 35	.1	1.6	2.0	1.5	.1													50	50	48	38			
34/ 33		1.6	3.5	1.6	.3													66	66	53	44			
32/ 31	.1	3.3	3.5	1.2	.2													78	78	61	47			
30/ 29	.1	2.3	3.5	.5	.1													61	61	79	43			
28/ 27	.1	1.3	1.7	.2														31	31	69	48			
26/ 25		1.5	2.9	.2														43	43	58	57			
24/ 23		1.3	.2															14	14	40	43			
22/ 21		.4	.2															6	6	31	42			
20/ 19		.1																1	1	4	54			
18/ 17																				2	52			
16/ 15																					32			
14/ 13																					27			
12/ 11																					11			
10/ 9																					11			
8/ 7																					9			
TOTAL	6.2	42.4	31.7	13.8	4.8	1.1												930	930	930	930			
																		930		930				
Element (X)	Σ x'		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	5489660		69904		75.215,914		930		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total			
Dry Bulb	1691006		38416		41.310,587		930				23.4										93			
Wet Bulb	1483241		35695		38.411,039		930				34.4										93			
Dew Point	1229868		31260		33.613,886		930				47.6										93			

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

0900-1100
HOURS (L. S. F.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29	30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
6 / 5																						3		
TOTAL	4,722.520	222.316	0	9.4	3.8	.8	.4													930		930		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

55-70, 74-77

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL						
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
80/ 79						.1												1	1								
78/ 77					.3	.2	.3	.2										10	10								
76/ 75				.1	.3	.2	.4	.2	.2									12	12								
74/ 73				.2	.5	.3	.6	.4	.1	.1	.1							23	23								
72/ 71			.1	.2	.8	.3	.8											20	20								
70/ 69			.3	.9	.5	.3	.1	.1										21	21	5							
68/ 67			.1	.3	.4	.5	.5	.2	.2		.1							21	21	8	1						
66/ 65		.8	.3	.3	.2	.9	.6	.2	.1	.3	.3							38	38	19	6						
64/ 63	.3	.4	.8	.4	.5	.5	.9	.4	.4	.4	.3							51	51	35	14						
62/ 61		.4	.4	.2	.9	1.3	.3	.5	.5	.3	.1							47	47	23	16						
60/ 59	.2	.9	.6	.4	.2	1.2	.3	1.2	.4	.5								56	56	33	21						
58/ 57	.4	.4	.5	.6	.4	.6	.8	1.2	.5	.2								54	54	34	28						
56/ 55	.2	1.1	.9	.4	1.0	.8	1.4	1.1	.8	.1								71	71	39	40						
54/ 53	.3	.3	.2	.3	.9	1.2	1.0	1.3	.2									53	53	44	24						
52/ 51		1.0	.8	.6	.5	1.2	1.8	1.1	.2									67	67	34	24						
50/ 49	.2	1.2	.8	.6	1.0	1.4	2.2	1.2	.1									80	80	55	36						
48/ 47	.1	1.2	.5	.1	1.8	1.4	1.6	1.1										73	73	58	30						
46/ 45	.1	1.0	.9	1.1	1.1	1.7	1.9	.1										73	73	59	38						
44/ 43		.3	.2	.2	1.2	1.8	.8											42	42	69	33						
42/ 41	.3	.6	.4	.4	.8	1.6	.5											44	44	77	40						
40/ 39	.2	.4	.5	.2	.8	1.1												30	30	86	33						
38/ 37		.4	.3	.4	.8	.9												26	26	67	37						
36/ 35		.8	.1	.1	.3	.2												14	14	72	25						
34/ 33			.1		.1													2	2	47	25						
32/ 31					.1													1	1	37	40						
30/ 29																				17	49						
28/ 27																				9	49						
26/ 25																				2	44						
24/ 23																				1	38						
22/ 21																					45						
20/ 19																					44						
18/ 17																					38						
16/ 15																					33						
14/ 13																					28						
Element (X)	Σ X'				Σ X				X̄				s _x				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2

1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.20-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

65-70, 74-77

DEC

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
70/ 69			.1															1	1					
68/ 67		.3	.1	.3														7	7					
66/ 65		.1	.3															4	4	5	3			
64/ 63	.3	.6	.8	.2														18	18	12	9			
62/ 61	.8	1.5	.5	.6														32	32	13	12			
60/ 59	.5	1.6	1.4	.1														34	34	32	13			
58/ 57	.3	1.7	.6		.3				.1									29	29	29	33			
56/ 55	.2	1.1	.9	.2	.3				.1									26	26	30	28			
54/ 53	.6	1.9	1.3	.9	.9	.1		.1										54	54	25	26			
52/ 51	.6	2.8	1.7	.3	1.3	.3	.5											71	71	38	24			
50/ 49	.6	2.4	1.8	.5	1.5	.5	.1											70	70	50	45			
48/ 47	.4	1.6	1.1	1.4	1.1	.3	.3	.2										60	60	50	35			
46/ 45	.1	2.5	2.2	1.1	.8	.4	.2											67	67	39	36			
44/ 43	.1	.6	1.0	1.3	1.2	.9	.1											48	48	61	37			
42/ 41		.9	2.6	1.9	1.2	.3	.1											65	65	52	29			
40/ 39	.1	1.5	2.5	2.6	1.3	.2												76	76	63	36			
38/ 37	.1	1.1	3.3	3.2	.6	.2												80	80	63	32			
36/ 35		1.4	2.4	2.4	.6													63	63	68	36			
34/ 33		.4	1.6	1.9	.4													41	41	86	39			
32/ 31		.3	2.7	1.4	.1													42	42	69	48			
30/ 29		.1	1.2	.4	.1													17	17	42	63			
28/ 27		.2	1.0	.2														13	13	51	49			
26/ 25		.2	.4															6	6	27	48			
24/ 23		.1	.1															2	2	18	31			
22/ 21		.1																1	1	3	46			
20/ 19																				1	58			
18/ 17																					45			
16/ 15																					28			
14/ 13																					8			
12/ 11																					14			
10/ 9																					7			
8/ 7																					8			
6/ 5																					1			
Element (X)	ΣX^2		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 2

2100-2300
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13849 SHAW AFB SOUTH CAROLINA/SUMTER
STATION STATION NAME

65-70, 74-77
YEARS

DLC
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
80/ 79						.0												1	1								
78/ 77				.0	.0	.1	.0	.0										13	13								
76/ 75				.0	.1	.1	.1	.0	.1									24	24								
74/ 73			.0	.0	.1	.1	.2	.1	.0	.0	.0		.0					43	43								
72/ 71			.1	.1	.2	.1	.1	.1						.0				51	51	1							
70/ 69			.1	.1	.2	.2	.1	.0	.0	.0			.0					57	57	12							
68/ 67	.0	.1	.1	.2	.2	.2	.2	.0	.1	.0	.0	.0						83	83	17	7						
66/ 65	.1	.5	.3	.3	.1	.2	.1	.1	.1	.0	.0	.0						148	148	63	33						
64/ 63	.2	.9	.4	.3	.2	.2	.2	.1	.2	.1	.1							219	219	132	67						
62/ 61	.3	1.1	.7	.3	.3	.2	.1	.1	.1	.1	.0							256	256	146	109						
60/ 59	.5	1.3	.5	.4	.2	.4	.1	.3	.2	.2	.0							298	298	235	139						
58/ 57	.4	1.2	.6	.4	.4	.2	.3	.3	.1	.1								307	307	234	210						
56/ 55	.5	1.3	.6	.6	.5	.3	.5	.4	.2	.0								370	370	255	254						
54/ 53	.5	1.4	.8	.5	.6	.4	.4	.5	.1									392	392	259	191						
52/ 51	.4	1.6	.9	.7	.6	.5	.7	.3	.1									418	418	271	233						
50/ 49	.5	1.9	1.0	.6	.8	.8	.8	.3	.0									504	504	369	254						
48/ 47	.2	1.9	.9	.9	1.1	.9	.7	.2	.0									508	508	374	253						
46/ 45	.2	1.9	1.3	1.2	.9	.9	.6	.0										519	519	391	321						
44/ 43	.1	1.2	.9	1.1	1.2	1.0	.3											435	435	464	240						
42/ 41	.2	1.1	1.6	1.1	.9	.8	.2											437	437	458	293						
40/ 39	.3	1.6	1.6	1.2	.9	.4												441	441	566	290						
38/ 37	.3	1.4	1.6	1.6	.8	.3												445	445	536	280						
36/ 35	.0	1.1	1.7	1.2	.5	.1												348	348	519	285						
34/ 33	.0	.9	1.6	1.3	.4													318	318	479	265						
32/ 31	.0	1.2	1.8	.9	.2													299	299	472	378						
30/ 29	.0	.7	1.5	.2	.0													209	209	359	419						
28/ 27	.0	.5	1.0	.2														130	130	326	393						
26/ 25		.5	.7	.1														97	97	248	409						
24/ 23		.4	.2															40	40	152	284						
22/ 21		.2	.0															17	17	70	352						
20/ 19		.1																7	7	18	409						
18/ 17		.0																1	1	8	344						
16/ 15																				1	254						
14/ 13																					170						
Element (X)	Σ X ²				Σ X				X̄				s _x				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAF/TAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

13849
STAT

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

5-70, 74-77

YEARS

DEC
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MONTH

ALL

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
106/105														.0	.0	.0	.0	6	6				
104/103														.0	.0			16	16				
102/101										.0	.0	.0	.0	.0	.0			35	35				
100/ 99										.0	.0	.0	.0	.0	.0			55	55				
98/ 97								.0	.0	.0	.0	.0	.0	.0	.0			117	117				
96/ 95						.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0		236	236				
94/ 93							.0	.1	.2	.1	.1	.1	.0	.0	.0			457	457				
92/ 91					.0	.0	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0		788	788				
90/ 89				.0	.0	.1	.4	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	1324	1324				
88/ 87			.0	.0	.1	.3	.6	.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	1741	1741				
86/ 85			.0	.1	.3	.6	.4	.3	.3	.2	.1	.1	.0	.0	.0	.0	.0	2102	2102		1		
84/ 83		.0	.0	.3	.5	.5	.3	.3	.3	.2	.1	.1	.0	.0	.0	.0	.0	2321	2321	14	2		
82/ 81	.0	.0	.2	.5	.6	.4	.4	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	2700	2702	101	13		
80/ 79	.0	.1	.6	.7	.5	.6	.3	.3	.3	.2	.1	.0	.0	.0	.0			3131	3134	83	37		
78/ 77	.0	.4	1.1	.7	.7	.3	.4	.3	.2	.1	.1	.0	.0	.0	.0			3814	3816	2145	249		
76/ 75	.1	1.1	1.3	.9	.5	.4	.3	.3	.2	.2	.1	.1	.0	.0	.0			4701	4701	3806	1503		
74/ 73	.2	1.9	1.4	.9	.4	.4	.3	.2	.2	.2	.1	.1	.0	.0				5407	5409	5556	3659		
72/ 71	.2	1.6	1.6	.6	.5	.3	.2	.2	.2	.2	.1	.0	.0	.0				4911	4914	5661	5214		
70/ 69	.2	1.4	1.4	.5	.4	.3	.2	.2	.2	.1	.1	.0	.0					4487	4489	5524	5248		
68/ 67	.1	1.1	1.2	.5	.4	.3	.2	.2	.2	.1	.1	.0	.0					3885	3894	5092	4868		
66/ 65	.1	1.0	1.0	.6	.3	.2	.2	.2	.2	.1	.1	.0						3619	3621	4430	4665		
64/ 63	.1	1.1	.8	.6	.3	.2	.2	.2	.2	.1	.1	.0						3429	3434	4353	4008		
62/ 61	.2	1.1	.7	.5	.4	.2	.2	.2	.1	.1	.0	.0						3329	3334	3876	3850		
60/ 59	.2	1.0	.7	.5	.3	.3	.2	.2	.2	.1	.0							3184	3185	3847	3707		
58/ 57	.1	.8	.7	.4	.4	.2	.2	.2	.2	.1	.0							2872	2874	3424	3559		
56/ 55	.2	.8	.6	.5	.3	.3	.3	.2	.1	.0								2841	2841	3195	3314		
54/ 53	.1	.7	.6	.4	.3	.3	.2	.2	.1	.0								2637	2641	3190	2912		
52/ 51	.1	.6	.7	.4	.3	.3	.2	.2	.0									2487	2490	2713	3000		
50/ 49	.2	.6	.5	.4	.3	.3	.3	.1	.0	.0								2488	2488	3078	2559		
48/ 47	.1	.6	.5	.5	.4	.3	.3	.1	.0									2335	2335	2714	2379		
46/ 45	.1	.7	.5	.5	.4	.3	.2	.0	.0									2322	2322	2572	2535		
44/ 43	.1	.5	.5	.5	.4	.3	.1	.0										2078	2079	2717	2259		
42/ 41	.1	.5	.6	.4	.4	.2	.1	.0										1947	1947	2470	2317		
40/ 39	.1	.5	.6	.5	.3	.2	.0											1914	1914	2693	2194		
Element (X)	Σ X'		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

PSYCHROMETRIC SUMMARY

13849	SHAW AFB SOUTH CAROLINA/SUMTER
STATION	STATION NAME

65-70, 74-78

ALL

PAGE 2

ALL

FOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13849 SHAW AFB SOUTH CAROLINA/SUMTER 65-70,74-78

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN	40.4	42.7	51.2	59.2	65.4	71.1	74.7	73.7	68.8	58.0	49.5	43.0	58.2	
	S D	11.341	10.188	9.503	7.471	5.971	4.685	3.371	3.639	5.577	8.364	10.142	10.070	14.492	
	TOTAL OBS	927	846	930	900	930	900	930	930	898	930	900	930	10951	
03-05	MEAN	38.8	40.7	48.9	56.8	63.4	69.3	73.0	72.3	67.3	56.3	47.8	41.3	56.4	
	S D	11.600	10.394	9.960	7.748	6.172	4.746	3.191	3.605	5.826	8.654	10.490	10.587	14.691	
	TOTAL OBS	927	846	930	900	930	900	930	930	898	930	900	930	10951	
06-08	MEAN	37.7	39.6	48.7	57.7	65.3	71.4	74.7	73.5	68.0	56.5	47.2	40.5	56.8	
	S D	11.850	10.623	10.150	7.958	6.372	4.999	3.883	4.134	6.066	8.697	10.670	10.627	15.686	
	TOTAL OBS	929	846	930	899	930	900	930	930	900	929	900	930	10953	
09-11	MEAN	43.1	47.0	57.2	67.3	73.7	79.7	82.5	81.1	76.1	66.1	56.0	46.8	64.8	
	S D	11.734	10.653	10.449	8.257	7.049	5.782	5.105	5.402	6.489	7.737	9.800	9.705	16.131	
	TOTAL OBS	930	846	930	899	930	900	930	930	900	930	900	930	10955	
12-14	MEAN	48.5	54.2	64.1	73.5	78.9	84.6	87.4	85.9	81.3	72.6	62.9	54.0	70.8	
	S D	12.451	11.269	11.194	8.899	7.521	6.123	5.563	5.888	6.769	7.609	9.646	9.914	15.644	
	TOTAL OBS	930	846	930	900	929	900	930	930	900	930	899	930	10954	
15-17	MEAN	51.1	56.1	66.0	75.2	79.6	85.1	87.2	85.6	81.6	73.0	63.3	54.7	71.6	
	S D	12.313	10.934	11.060	8.626	7.649	6.691	6.612	6.329	6.669	7.347	9.478	9.368	15.213	
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	898	930	10954	
18-20	MEAN	45.7	50.2	60.5	69.7	74.5	80.2	82.2	80.6	75.3	65.0	55.7	48.4	65.7	
	S D	11.296	9.866	10.242	7.989	7.096	6.279	5.931	5.448	6.164	7.584	9.100	8.947	15.166	
	TOTAL OBS	930	846	930	900	929	900	929	930	900	930	898	928	10950	
21-23	MEAN	42.3	45.3	54.8	63.0	68.5	74.1	77.0	75.8	70.6	60.2	51.5	45.1	60.8	
	S D	11.306	9.792	9.443	7.258	6.000	4.802	3.915	3.877	5.628	8.034	9.658	9.437	14.461	
	TOTAL OBS	930	846	930	900	927	900	929	930	900	929	896	927	10944	
ALL HOURS	MEAN	43.6	47.0	56.4	65.3	71.2	76.3	79.8	78.6	73.6	63.5	54.2	46.7	63.1	
	S D	12.590	11.930	12.024	10.477	8.994	8.080	7.259	7.082	8.220	10.242	11.540	11.078	16.215	
	TOTAL OBS	7433	6768	7440	7198	7435	7200	7438	7440	7196	7438	7191	7435	87612	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WEI-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13849 SHAW AFB SOUTH CAROLINA/SUMTER 65-70, 74-78

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
00-02	MEAN	37.3	38.2	46.5	54.0	61.7	67.1	71.2	71.1	65.7	54.5	45.6	39.5	54.4											
	S D	11.855	10.264	9.994	8.024	6.348	4.983	3.034	3.852	6.229	8.959	10.788	10.753	14.893											
	TOTAL OBS	927	845	930	900	924	900	930	930	898	930	900	930	10944											
03-05	MEAN	36.1	37.0	45.1	52.7	60.6	66.1	70.3	70.1	64.7	53.4	44.6	38.4	53.3											
	S D	12.087	10.594	10.408	8.415	6.594	5.172	3.259	3.977	6.517	9.261	11.146	11.039	15.139											
	TOTAL OBS	927	846	930	899	923	900	930	930	898	930	900	930	10943											
06-08	MEAN	35.4	36.3	45.0	53.3	61.6	67.3	71.2	70.9	65.0	53.4	44.2	37.7	53.5											
	S D	12.345	10.852	10.670	8.558	6.529	5.037	3.379	4.071	6.682	9.265	11.296	11.083	15.721											
	TOTAL OBS	929	846	930	896	925	900	930	930	900	929	900	930	10945											
09-11	MEAN	38.9	40.6	49.5	57.5	65.0	70.4	74.2	74.0	68.8	58.4	49.3	41.8	57.4											
	S D	12.099	10.406	10.372	8.166	6.460	5.041	3.435	4.140	6.393	8.378	10.309	10.187	15.145											
	TOTAL OBS	930	846	930	896	930	900	930	930	900	930	900	930	10952											
12-14	MEAN	42.2	44.0	52.0	59.1	66.3	71.2	75.0	75.0	70.1	60.6	52.0	45.5	59.5											
	S D	11.781	9.847	9.974	7.543	6.122	5.010	3.364	3.956	6.027	7.971	9.641	9.892	14.121											
	TOTAL OBS	930	846	928	896	929	900	930	930	900	930	899	930	10948											
15-17	MEAN	43.0	44.8	52.4	59.2	66.3	71.0	74.5	74.5	69.8	60.6	52.0	45.8	59.6											
	S D	11.407	9.233	9.386	7.098	5.764	4.846	3.297	3.687	5.718	7.650	9.424	9.496	13.605											
	TOTAL OBS	930	846	930	897	930	900	930	930	900	930	898	930	10951											
18-20	MEAN	40.4	42.3	50.5	57.7	65.0	70.1	73.6	73.6	68.3	58.1	49.1	42.9	57.7											
	S D	11.430	9.358	9.266	7.228	5.737	4.698	3.327	3.658	5.836	8.178	9.816	9.739	14.237											
	TOTAL OBS	930	846	930	897	929	900	929	930	900	930	898	928	10947											
21-23	MEAN	38.5	39.9	48.4	55.8	63.3	68.5	72.2	72.1	66.6	55.9	46.8	41.0	55.8											
	S D	11.693	9.808	9.551	7.575	6.111	4.764	3.101	3.692	6.141	8.651	10.409	10.232	14.612											
	TOTAL OBS	930	846	930	897	926	900	929	930	900	929	896	927	10940											
ALL HOURS	MEAN	39.0	40.4	48.7	56.2	63.7	69.0	72.8	72.7	67.4	56.9	48.0	41.6	56.4											
	S D	12.110	10.482	10.328	8.205	6.553	5.281	3.675	4.250	6.516	8.997	10.768	10.704	14.884											
	TOTAL OBS	7433	6767	7438	7178	7416	7200	7438	7440	7196	7438	7191	7435	87570											

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13849 SHAW AFB SOUTH CAROLINA/SUMTER 65-70, 74-78

STATION		STATION NAME					YEARS									
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP.	OCT	NOV.	DEC	ANNUAL		
00-02	MEAN	31.9	31.1	40.7	49.1	59.1	64.7	69.5	69.7	63.7	51.3	40.8	34.1	50.6		
	S D	15.335	13.730	13.448	10.780	7.842	6.089	3.628	4.617	7.343	10.825	13.539	13.992	17.697		
	TOTAL OBS	927	845	930	900	924	900	930	930	898	930	900	930	10944		
03-05	MEAN	31.2	30.6	40.3	48.7	58.5	64.2	68.9	69.0	63.0	50.6	40.4	33.6	50.0		
	S D	15.390	13.925	13.399	10.841	7.902	6.174	3.804	4.724	7.581	10.955	13.683	13.886	17.705		
	TOTAL OBS	927	846	930	899	923	900	930	930	898	930	900	930	10943		
06-08	MEAN	30.9	30.4	40.4	49.1	59.1	64.8	69.5	69.6	63.2	50.6	40.3	33.2	50.2		
	S D	15.526	14.019	13.581	11.132	7.973	6.158	3.953	4.771	7.754	10.978	13.713	13.827	18.023		
	TOTAL OBS	929	846	930	896	925	900	930	930	900	929	900	930	10945		
09-11	MEAN	32.0	31.1	40.9	49.3	59.5	65.4	70.4	70.8	64.6	52.0	41.7	34.7	51.1		
	S D	16.368	14.795	14.867	12.085	8.898	6.845	4.341	5.064	8.284	11.874	14.311	14.169	18.422		
	TOTAL OBS	930	846	930	896	930	900	930	930	900	930	900	930	10952		
12-14	MEAN	31.8	30.6	39.8	47.8	58.6	64.4	69.6	70.1	64.0	51.4	40.8	34.8	50.4		
	S D	17.009	15.127	15.105	12.005	9.003	7.250	4.733	5.008	8.297	12.124	14.843	15.089	18.538		
	TOTAL OBS	930	846	928	896	929	900	930	930	900	930	899	930	10948		
15-17	MEAN	31.7	30.4	39.0	47.0	58.2	63.9	68.9	69.6	63.4	51.0	40.4	34.7	50.0		
	S D	16.870	15.022	14.925	11.925	8.804	7.355	4.809	4.907	8.141	12.057	14.655	15.028	18.378		
	TOTAL OBS	930	846	930	897	930	900	930	930	900	930	898	930	10951		
18-20	MEAN	32.3	31.4	39.9	47.8	59.1	64.7	69.6	70.4	64.4	52.4	41.5	35.3	50.8		
	S D	15.947	14.336	14.046	11.707	8.325	6.898	4.540	4.564	7.581	11.068	13.755	14.005	17.952		
	TOTAL OBS	930	846	930	897	929	900	929	930	900	930	898	928	10947		
21-23	MEAN	32.2	31.8	41.1	49.5	59.7	65.3	69.9	70.3	64.1	52.1	41.2	34.9	51.1		
	S D	15.464	13.632	13.337	10.698	7.936	6.144	3.821	4.487	7.396	10.668	13.531	13.854	17.679		
	TOTAL OBS	930	846	930	897	926	900	929	930	900	929	896	927	10940		
ALL HOURS	MEAN	31.5	30.9	40.3	48.5	59.0	64.7	69.6	69.9	63.8	51.4	40.9	34.4	50.5		
	S D	16.001	14.334	14.114	11.434	8.357	6.647	4.249	4.798	7.820	11.346	14.014	14.248	18.057		
	TOTAL OBS	7433	6767	7438	7178	7416	7200	7438	7440	7196	7438	7191	7435	87570		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
PERIOD

JAN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	96.4	85.9	72.6	56.6	41.3	22.9	73.4	927
	03-05	100.0	100.0	100.0	98.8	90.3	78.2	61.5	42.5	25.9	75.4	927
	06-08	100.0	100.0	100.0	99.0	92.9	80.3	65.1	46.6	29.5	77.2	929
	09-11	100.0	100.0	98.3	87.3	72.9	60.9	47.0	31.8	19.8	67.7	930
	12-14	100.0	98.3	82.2	61.9	49.0	39.9	30.0	20.5	12.0	55.3	930
	15-17	100.0	97.2	75.8	57.3	45.2	36.8	28.5	18.8	10.1	52.5	930
	18-20	100.0	99.9	94.4	79.7	64.4	49.1	39.4	26.7	14.4	62.5	930
	21-23	100.0	100.0	98.8	92.3	79.2	63.0	50.3	35.7	17.7	69.4	930
TOTALS		100.0	99.4	93.7	84.1	72.5	60.1	47.3	33.0	19.0	66.7	7433

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	99.9	99.2	91.2	74.8	56.9	41.4	26.5	10.9	65.8	845
	03-05	100.0	100.0	99.6	94.2	82.5	66.1	44.6	31.0	14.7	69.1	846
	06-08	100.0	100.0	99.6	96.3	85.8	69.9	52.7	33.6	13.7	71.1	846
	09-11	100.0	99.8	91.5	73.9	54.0	40.5	29.6	18.8	8.7	57.2	846
	12-14	100.0	94.1	65.0	44.3	30.9	23.2	17.0	12.6	6.6	44.9	846
	15-17	100.0	86.8	57.3	37.7	29.0	22.9	16.9	12.2	5.2	42.5	846
	18-20	100.0	98.5	81.2	61.7	45.7	33.6	24.9	17.3	7.3	52.6	846
	21-23	100.0	99.6	97.4	83.8	65.4	47.6	33.0	22.3	9.3	61.6	846
TOTALS		100.0	97.3	86.4	72.9	58.5	45.1	32.5	21.8	9.6	58.1	6767

USAFETAC

FORM
JUL 61

0-87-5 (OL A)

RELATIVE HUMIDITY

MAR
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	98.1	92.8	82.3	66.1	50.5	31.7	14.6	69.4	930
	03-05	100.0	100.0	99.9	95.9	88.1	76.1	61.3	39.9	18.8	73.7	930
	06-08	100.0	100.0	99.8	95.9	88.3	77.5	63.1	44.0	19.1	74.5	930
	09-11	100.0	99.1	90.6	73.9	58.9	43.1	30.0	18.9	8.0	57.9	930
	12-14	100.0	94.3	70.3	46.4	31.5	22.0	14.8	9.9	4.4	45.0	928
	15-17	100.0	88.7	59.2	37.8	28.3	20.3	13.2	8.7	4.2	41.5	930
	18-20	100.0	96.9	81.1	60.3	41.9	28.4	20.5	13.2	7.7	50.6	930
	21-23	100.0	99.6	95.6	86.2	70.4	51.4	33.5	20.4	10.2	62.6	930
TOTALS		100.0	97.3	86.8	73.7	61.1	48.1	35.9	23.3	10.9	59.4	7438

RELATIVE HUMIDITY

APR

MCNTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	Total NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	99.6	94.7	86.6	72.6	54.0	33.2	9.6	70.7	900
	03-05	100.0	100.0	99.9	98.6	92.1	80.0	66.2	46.8	15.2	75.8	899
	06-08	100.0	100.0	99.6	97.4	90.5	78.1	62.8	44.8	16.0	74.6	896
	09-11	100.0	99.4	92.6	74.0	54.9	37.6	22.1	12.2	2.3	55.2	896
	12-14	100.0	96.1	72.5	45.9	27.0	18.0	11.2	6.4	1.3	43.4	896
	15-17	100.0	92.8	60.1	36.2	22.1	16.2	11.1	6.4	2.2	40.4	897
	18-20	100.0	97.0	81.4	59.9	41.1	26.3	17.7	10.1	3.9	49.4	897
	21-23	100.0	100.0	98.1	89.4	74.4	55.4	36.2	18.6	5.8	63.5	897
TOTALS		100.0	98.2	88.0	74.5	61.1	48.0	35.2	22.3	7.0	59.1	7178

FORM 112-64

0-87.5 (OL A)

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE MAC

RELATIVE HUMIDITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
PERIOD

MAY
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.4	97.4	92.7	82.3	60.4	17.9	80.7	924
	03-05	100.0	100.0	100.0	99.9	99.1	95.7	88.4	73.2	24.8	84.4	923
	06-08	100.0	100.0	100.0	99.8	97.4	90.6	79.9	60.2	19.8	80.8	925
	09-11	100.0	100.0	98.4	91.2	74.8	56.5	33.9	15.7	4.1	62.9	930
	12-14	100.0	99.7	93.1	73.0	48.1	27.4	14.4	8.4	2.3	52.2	929
	15-17	100.0	99.2	89.4	66.9	42.6	25.9	16.6	8.9	2.3	50.8	930
	18-20	100.0	99.8	96.7	86.1	68.8	48.5	32.4	18.9	5.1	61.3	929
	21-23	100.0	100.0	99.6	98.6	93.1	82.9	64.0	38.6	9.2	74.4	926
TOTALS		100.0	99.8	97.2	89.4	77.7	65.0	51.5	35.5	10.7	68.4	7416

USAFETAC

10AM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13849 SHAW AFB SOUTH CAROLINA/SUMTER

66-70, 74-78

JUN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	99.7	98.9	95.3	85.4	61.0	10.2	80.7	900
	03-05	100.0	100.0	100.0	100.0	99.3	97.4	90.4	74.6	17.0	84.0	900
	06-08	100.0	100.0	100.0	99.9	98.8	93.0	82.1	60.3	10.6	80.2	900
	09-11	100.0	99.9	99.3	95.0	80.7	56.6	31.8	10.7	.3	63.0	900
	12-14	100.0	99.8	96.8	78.1	53.1	25.2	10.1	3.4	.1	52.3	900
	15-17	100.0	99.7	94.0	70.9	45.9	25.8	12.8	5.7	.8	51.1	900
	18-20	100.0	99.7	98.2	89.2	71.6	50.4	30.7	15.1	2.1	61.2	900
	21-23	100.0	100.0	99.9	99.3	97.1	87.6	66.3	37.7	4.8	74.8	900
TOTALS		100.0	99.9	98.5	91.5	80.7	66.4	51.2	33.6	5.7	68.4	7200

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13R49
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70, 74-78
PERIOD

JUL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.8	98.6	92.5	71.0	21.2	84.2	930
	03-05	100.0	100.0	100.0	100.0	100.0	99.6	96.3	85.4	29.0	87.1	930
	06-08	100.0	100.0	100.0	100.0	99.9	98.4	90.3	71.0	22.5	84.2	930
	09-11	100.0	100.0	100.0	99.7	92.6	71.0	39.0	18.2	2.5	67.8	930
	12-14	100.0	100.0	99.4	90.3	65.9	34.5	14.7	6.6	1.2	56.7	930
	15-17	100.0	100.0	98.3	83.8	58.3	34.8	10.0	11.1	2.8	56.5	930
	18-20	100.0	100.0	99.7	96.3	84.9	63.9	42.9	24.7	5.8	67.4	929
	21-23	100.0	100.0	100.0	100.0	98.9	94.7	79.0	50.1	12.4	79.4	929
TOTALS		100.0	100.0	99.7	96.3	87.5	74.4	59.3	42.3	12.2	72.9	7438

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

RELATIVE HUMIDITY

13849 SHAW AFB SOUTH CAROLINA/SUMTER
STATION

66-70,74-78
PERIOD

AUG
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	99.8	98.2	95.2	86.0	34.4	87.3	930
	03-05	100.0	100.0	100.0	100.0	99.7	98.6	96.3	90.2	47.1	89.4	930
	06-08	100.0	100.0	100.0	100.0	99.7	98.5	95.3	82.6	40.9	87.8	930
	09-11	100.0	100.0	100.0	99.5	95.6	81.3	54.0	25.5	4.7	71.7	930
	12-14	100.0	100.0	100.0	95.9	79.5	45.8	20.2	7.1	1.5	60.5	930
	15-17	100.0	100.0	100.0	94.1	70.0	41.8	24.3	13.7	3.2	60.4	930
	18-20	100.0	100.0	100.0	99.2	94.8	77.6	56.1	29.8	8.2	72.3	930
	21-23	100.0	100.0	100.0	100.0	99.9	97.7	90.4	68.1	20.1	83.1	930
TOTALS		100.0	100.0	100.0	98.6	92.4	79.9	66.5	50.4	20.0	76.6	7440

RELATIVE HUMIDITY

SEP

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	99.7	97.9	89.5	70.8	22.3	84.2	898
	03-05	100.0	100.0	100.0	100.0	99.9	98.3	93.5	77.3	30.5	86.1	898
	06-08	100.0	100.0	100.0	100.0	99.7	97.6	91.1	73.4	27.7	85.0	900
	09-11	100.0	100.0	99.9	97.0	87.9	72.3	45.2	23.3	5.4	68.8	900
	12-14	100.0	100.0	98.1	87.8	64.7	36.8	18.9	8.4	2.1	57.4	900
	15-17	100.0	100.0	97.0	84.9	57.7	32.7	18.8	10.1	2.2	55.9	900
	18-20	100.0	100.0	99.7	97.7	89.1	73.3	51.3	26.7	5.8	70.1	900
	21-23	100.0	100.0	100.0	99.9	99.1	93.7	80.8	56.4	13.2	80.1	900
TOTALS		100.0	100.0	99.3	95.9	87.2	75.3	61.1	43.3	13.7	73.5	7196

RELATIVE HUMIDITY

OCT

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JCT	00-02	100.0	100.0	100.0	99.7	97.4	89.5	75.4	51.3	17.4	79.1	930
	03-05	100.0	100.0	100.0	100.0	98.8	92.6	80.5	58.2	26.2	81.7	930
	06-08	100.0	100.0	100.0	99.7	98.0	91.7	79.5	57.3	24.2	81.1	929
	09-11	100.0	100.0	98.0	87.4	70.4	52.0	35.6	21.6	7.7	62.9	930
	12-14	100.0	99.6	88.2	65.2	41.7	25.7	13.1	7.4	1.7	49.8	930
	15-17	100.0	98.9	84.4	60.5	39.5	24.2	13.0	6.8	1.5	48.6	930
	18-20	100.0	100.0	98.5	93.1	80.1	61.8	37.8	19.6	4.1	65.3	930
	21-23	100.0	100.0	99.9	99.6	95.0	85.5	65.9	36.6	9.5	75.1	929
TOTALS		100.0	99.9	96.1	88.2	77.6	65.4	50.1	32.4	11.5	68.0	7438

USAFETAC FORM 111-A4 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

66-70,74-78
PERIOD

NOV
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	99.1	97.2	91.9	78.9	55.9	34.6	14.6	73.2	900
	03-05	100.0	100.0	99.9	98.6	94.7	84.4	65.9	44.3	18.9	76.4	900
	06-08	100.0	100.0	99.9	99.7	96.9	86.3	67.3	45.9	19.7	77.6	900
	09-11	100.0	100.0	96.2	83.3	65.0	46.7	33.9	21.3	8.3	61.4	900
	12-14	100.0	97.6	77.3	52.6	35.4	25.5	17.7	10.8	2.8	47.6	899
	15-17	100.0	96.8	76.2	50.9	33.7	23.4	16.3	10.4	2.4	46.6	898
	18-20	100.0	100.0	96.9	85.4	67.1	47.2	30.5	17.9	5.6	60.9	898
	21-23	100.0	100.0	99.0	94.6	87.2	69.6	47.3	27.2	9.7	69.4	896
TOTALS		100.0	99.3	93.1	82.8	71.5	57.8	41.9	26.6	10.3	64.1	7191

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13849 SHAW AFB SOUTH CAROLINA/SUMTER
STATION STATION NAME

65-70, 74-77
PERIOD

DEC
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	99.7	96.6	88.3	72.5	52.7	37.1	17.1	72.2	930
	03-05	100.0	100.0	100.0	98.6	92.3	80.0	59.5	42.6	19.5	75.2	930
	06-08	100.0	100.0	100.0	98.6	94.5	84.7	63.5	47.4	21.8	76.7	930
	09-11	100.0	100.0	97.5	87.0	72.5	56.7	41.4	28.4	14.4	65.5	930
	12-14	100.0	98.0	82.9	61.4	44.0	31.0	22.7	15.4	8.3	52.1	930
	15-17	100.0	96.9	79.0	56.9	43.3	30.0	21.4	15.9	9.0	51.0	930
	18-20	100.0	99.5	96.9	85.1	69.2	52.0	36.2	22.0	12.0	63.1	928
	21-23	100.0	100.0	98.9	94.0	82.0	65.7	48.3	31.0	15.1	69.3	927
TOTALS		100.0	99.3	94.4	84.8	73.3	59.1	43.2	30.0	14.7	65.6	7435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13849
STATION

SHAW AFB SOUTH CAROLINA/SUMTER
STATION NAME

65-70, 74-78
PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.4	93.7	84.1	72.5	60.1	47.3	33.0	19.0	66.7	7433
FEB		100.0	97.3	86.4	72.9	58.5	45.1	32.5	21.8	9.0	58.1	6767
MAR		100.0	97.3	80.8	73.7	61.1	48.1	35.9	23.3	10.9	59.4	7438
APR		100.0	98.2	88.0	74.5	61.1	48.0	35.2	22.3	7.0	59.1	7178
MAY		100.0	99.8	97.2	89.4	77.7	65.0	51.5	35.5	10.7	68.4	7416
JUN		100.0	99.9	98.5	91.5	80.7	66.4	51.2	33.6	5.7	68.4	7200
JUL		100.0	100.0	99.7	96.3	87.5	74.4	59.3	42.3	12.2	72.9	7438
AUG		100.0	100.0	100.0	98.6	92.4	79.9	66.5	50.4	20.0	76.6	7440
SEP		100.0	100.0	99.3	95.9	87.2	75.3	61.1	43.3	13.7	73.5	7196
OCT		100.0	99.8	96.1	88.2	77.6	65.4	50.1	32.4	11.5	68.0	7438
NOV		100.0	99.3	93.1	82.8	71.5	57.8	41.9	26.6	10.3	64.1	7191
DEC		100.0	99.3	94.4	84.8	73.3	59.1	43.2	30.0	14.7	65.6	7435
TOTALS		100.0	99.2	94.4	86.1	75.1	62.1	48.0	32.9	12.1	66.7	87570

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

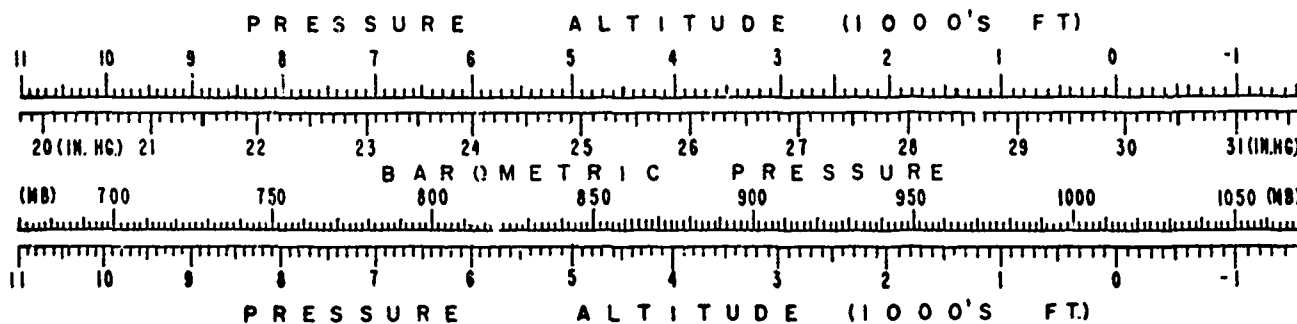
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/4AC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

13849

SHAW AFB SOUTH CAROLINA/SUMMER

65-70, 74-78

STATION	STATION NAME	YEARS												
HRS (L S F)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	29.841	29.790	29.770	29.769	29.724	29.730	29.745	29.770	29.757	29.806	29.812	29.807	29.777
	S D	.203	.196	.200	.168	.145	.115	.103	.090	.114	.149	.186	.211	.165
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
04	MEAN	29.841	29.779	29.756	29.760	29.714	29.718	29.733	29.756	29.745	29.800	29.807	29.807	29.768
	S D	.202	.200	.205	.170	.147	.116	.104	.090	.115	.152	.188	.212	.168
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
07	MEAN	29.858	29.804	29.792	29.801	29.749	29.751	29.763	29.786	29.777	29.830	29.833	29.826	29.798
	S D	.203	.206	.210	.176	.152	.116	.105	.092	.118	.154	.191	.214	.170
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	29.898	29.836	29.821	29.817	29.762	29.763	29.777	29.807	29.797	29.854	29.862	29.861	29.821
	S D	.206	.211	.213	.181	.155	.118	.105	.093	.119	.159	.195	.217	.174
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	29.840	29.788	29.777	29.775	29.729	29.735	29.752	29.778	29.762	29.805	29.804	29.799	29.779
	S D	.205	.209	.212	.177	.153	.118	.105	.091	.120	.156	.190	.219	.171
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	29.813	29.743	29.725	29.729	29.686	29.696	29.712	29.736	29.720	29.771	29.773	29.776	29.740
	S D	.202	.205	.205	.173	.150	.120	.105	.088	.119	.150	.186	.210	.168
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	298	310	3650
19	MEAN	29.837	29.763	29.740	29.733	29.692	29.701	29.717	29.743	29.731	29.793	29.797	29.800	29.754
	S D	.200	.203	.197	.166	.143	.117	.101	.087	.116	.146	.185	.205	.166
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	299	309	3649
22	MEAN	29.852	29.788	29.775	29.771	29.731	29.738	29.752	29.778	29.763	29.819	29.815	29.815	29.781
	S D	.204	.197	.199	.164	.142	.115	.102	.087	.116	.146	.187	.205	.164
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	299	309	3650
ALL HOURS	MEAN	29.847	29.786	29.770	29.769	29.723	29.729	29.744	29.769	29.757	29.810	29.813	29.811	29.777
	S D	.204	.205	.207	.174	.150	.119	.106	.092	.119	.153	.190	.213	.170
	TOTAL OBS	2478	2256	2480	2400	2480	2400	2479	2480	2400	2480	2396	2478	29207

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

13849 SHAW AFB SOUTH CAROLINA/SUMTER 65-70, 74-78

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
01	MEAN	1020.11	1018.21	1017.41	1017.41	1015.71	1015.81	1016.41	1017.21	1016.91	1013.61	1018.91	1018.91	1017.01											
	S D	7.002	6.730	6.875	5.782	4.969	3.896	3.507	3.069	3.940	5.188	6.408	7.276	5.709											
	TOTAL OBS	309	281	310	300	310	300	310	310	300	310	300	310	3650											
04	MEAN	1020.11	1017.81	1016.91	1017.01	1015.41	1015.51	1016.01	1016.81	1016.51	1018.41	1013.71	1018.91	1017.31											
	S D	7.016	6.876	7.065	5.857	5.039	3.928	3.539	3.072	3.945	5.264	6.471	7.340	5.800											
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651											
07	MEAN	1020.71	1018.71	1018.21	1018.41	1016.61	1016.61	1017.01	1017.81	1017.51	1019.41	1019.71	1019.51	1018.31											
	S D	7.035	7.079	7.230	6.043	5.212	3.948	3.571	3.130	4.034	5.342	6.571	7.396	5.870											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652											
10	MEAN	1022.01	1019.81	1019.21	1019.71	1017.01	1016.91	1017.51	1018.51	1018.21	1020.31	1020.61	1020.71	1019.11											
	S D	7.152	7.233	7.328	6.223	5.315	4.027	3.587	3.141	4.099	5.484	6.699	7.512	6.037											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652											
13	MEAN	1020.01	1018.21	1017.71	1017.51	1015.81	1016.01	1016.61	1017.51	1017.01	1018.61	1018.61	1018.61	1017.71											
	S D	7.147	7.182	7.277	6.079	5.241	4.027	3.585	3.079	4.119	5.417	6.554	7.553	5.909											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652											
16	MEAN	1010.11	1016.61	1015.91	1015.81	1014.41	1014.71	1015.31	1016.11	1015.61	1017.41	1017.61	1017.81	1016.41											
	S D	6.978	7.032	7.023	5.933	5.091	4.076	3.567	2.973	4.106	5.202	6.405	7.257	5.801											
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	298	310	3649											
19	MEAN	1020.01	1017.31	1016.41	1016.11	1014.61	1014.71	1015.41	1016.31	1016.01	1018.21	1018.41	1018.61	1016.01											
	S D	6.922	6.978	6.777	5.707	4.917	3.937	3.457	2.954	3.976	5.068	6.392	7.067	5.742											
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	299	308	3648											
22	MEAN	1020.41	1018.21	1017.61	1017.41	1016.01	1016.11	1016.61	1017.51	1017.01	1019.11	1019.01	1019.21	1017.81											
	S D	7.060	6.771	6.803	5.656	4.864	3.910	3.488	2.961	3.985	5.051	6.446	7.069	5.666											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	299	309	3650											
ALL HOURS	MEAN	1020.31	1018.11	1017.41	1017.31	1015.71	1015.81	1016.41	1017.21	1016.81	1018.71	1018.91	1019.01	1017.61											
	S D	7.072	7.033	7.100	5.987	5.142	4.031	3.604	3.134	4.097	5.308	6.540	7.344	5.873											
	TOTAL OBS	2478	2255	2480	2400	2479	2400	2479	2480	2400	2480	2396	2477	29204											